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dairy

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WORLD MILK OUTPUT IN 1979
INCREASING AT SLOWER RATE .

SUMMARY

Milk output in 36 principal producing countries is forecast to increase less than 0.6 percent in 1979 to 403.7 million metric tons. This increase is lower than previously expected, primarily because of a projected 3.2 percent decrease in 1979 production in the USSR, the world's largest single country producer. This shortfall will be caused by poor-quality grain and less-than-adequate roughage supplies, resulting in depressed per-cow productivity. Elsewhere, milk production rebounded sharply in Australia and New Zealand with increases of 11 and 8 percent, respectively, during the 1978/79 season.

Butter production is forecast to increase slightly--6,000 tons--in 1979, maintaining the pattern of yearly increases since 1975. The European Community (EC) continues to expand butter production, forecast to reach almost 2 million tons in 1979, causing its already burdensome stocks to increase still further. Worldwide stocks should reach 980,000 tons in 1979 and the EC, with 677,000 tons, will hold 69 percent of the total.

World cheese production continues to grow as cheese remains a popular consumer item, particularly in the United States and the EC. World production, consumption, and exports are expected to be up 3.3, 2.6, and 3.7 percent, respectively. The outlook is for increased emphasis on cheese manufacture.

World production of nonfat dry milk (NFDM) is expected to be down 1.4 percent in 1979 to slightly over 4 million tons partly because liquid skim milk is being shifted into more profitable casein manufacture. The large stock position that has prevailed since 1975 has dramatically decreased and 1979 stocks, at 748,000 tons, will be down almost 63 percent from the 1976 record level of 2 million tons. The EC, which holds about 39 percent of world stocks, is largely responsible for the decrease by its successful use of large subsidies to encourage domestic use of NFDM in hog, poultry, and calf feed rations.

World casin production will expand by 7 percent in 1979 to 183,000 tons. Output in the 8 major producing countries will show moderate increases, except in New Zealand, which increased production 12.3 percent, largely as a result of strong import demand in the U.S. market. In the future, casein manufacture should level off, mainly because of the large butter surplus that is expected to encourage diversion of milk to more profitable cheese manufacture. This would result in less skim milk available for casein manufacture.

MILK

EC milk production is expected to expand again in 1979, but not as much as in 1978. At a forecast 108.4 million tons, this year's production will be up 1.9 percent, compared with growth of 3.5 percent in 1978. Despite ongoing programs to encourage conversion of dairy herds, cows in milk should increase by about 0.6 percent (162,000 head) in 1979. In a further effort to halt the burgeoning increase in milk output, the EC Council of Agricultural Ministers imposed a freeze on the target price for milk and the intervention price for milk products for the 1979/80 marketing year. The co-responsibility levy-- a producer tax-- will remain at 0.5 percent. However, if the quantity of milk delivered during 1979 is more than 2 percent above that delivered in 1978, the levy will be raised to 1 percent during the 1980/81 marketing year, except for those producers who did not increase their milk deliveries. Funds generated from the co-responsibility levy are used, among other things, for promoting the consumption of dairy products within the EC.

In 1979, milk production is projected to expand in the non-EC West European nations by almost 1.9 percent. In Austria, where a marketing quota is in effect, production is up slightly, but farm sales of raw milk to factories will remain approximately at last year's level. This development implies that no further growth will occur in Austria's large dairy surplus this year. Swiss milk production, despite a producer quota system, continues to creep upward, and pressure from Swiss dairymen is likely to result in increases in the national milk quota and the guaranteed price for milk.

In Australia, the 1977/78 (July-June) year was generally unfavorable because of poor pasture conditions resulting from widespread drought. Production was down over 10 percent and milk cow numbers and productivity suffered. Seasonal conditions in 1978/79 were excellent and both output per cow and total milk production increased over the preceding year's levels. Output per cow was up 17 percent but a continued decline in cow numbers held production to 5.9 million tons, and 11 percent increase. The 1979/80 year is not expected to be as favorable as the season just past, but milk production may reach about 95-96 percent of the 1978/79 season's level.

New Zealand's 1978/79 (June-May) dairy season suffered a 6-8 week dry spell, which caused a drop in production. However, good rains in February and March brought a resurgence of pasture growth and an unprecedented increase in dairy production. Total production for the season is estimated at 6.6 million tons, up 8.2 percent from the 1977/78 level, falling just short of the 1976/77 season's record total.

In the United States, production gains in the second half of the year--as well as expected large feedgrain crops, indicate that an increase in milk output of about 1.2 percent above the 1978 level can be anticipated.

Milk production in Japan continued its upward trend, registering an increase of 6.8 percent in 1978 and a forecast 5.3 percent increase in 1979. The Japanese Government and dairy industry are greatly concerned about the milk overproduction situation. As a result, the new guarantee and base purchase prices for manufacturing milk for 1979 were maintained at year-earlier levels and the milk quality improvement bonus was abolished.

Milk production in the Soviet Union, the world's largest single country producer, is expected to be down 3.2 percent--to 91.5 million tons--in 1979. A combination of good quantities but poor-quality grain from last year's crops and less-than-adequate roughage supplies depressed per-cow productivity and total production in early 1979. This year's predicted lower grain production and spotty roughage supplies caused by drought in some of the main production areas have further depressed 1979 production. This decrease is occurring despite record milk cow numbers, which will enable the USSR to increase milk production once grain and roughage supplies improve. The outlook for 1980, however, is for a further reduction in milk supplies.

NFDM

EC production of nonfat dry milk (NFDM) is expected to decrease in 1979 by about 1.2 percent to 2.06 million tons. EC NFDM stocks, estimated at 289,000 tons, declined dramatically in 1979. This development is largely attributable to the aid of substantial domestic subsidies which made NFDM feeding to hogs, poultry and calves competitive with other protein sources such as soybean meal. This expensive subsidy program for feeding NFDM to hogs and poultry was discontinued on October 22. The EC programs for the disposal of NFDM and liquid skim milk as calf feed, as well as the program for the disposal of liquid skim milk as feed for animals other than calves remain in effect.

In the United States, NFDM production is expected to decline 5.3 percent in 1979 to about 395,000 tons--not as dramatic a decrease as in 1978, when production was down almost 17 percent. Commercial inventory stocks of NFDM at the end of 1979 will be about 31,750 tons, compared with 18,143 tons in 1978. However, Government ending stocks, estimated at 176,900 tons, while still large will decline 28 percent from the 1978 level.

Production continues to decline in Australia, and at a forecast of 81,000 tons for 1979, is at its lowest point since 1966, when production was 63,000 tons. The Australian Dairy Corporation decided to suspend the issuance of any further export permits for NFDM until further notice, after taking into account projected production for the present season as well as the volume of export permits already issued. This move was considered essential to assure domestic availability.

In contrast, New Zealand's 1979 production will increase slightly over the previous year's level, which was 16 percent lower than that of 1977. New Zealand continues to seek new markets as well as maintain and expand traditional ones for its NFDM.

BUTTER

In the EC, much of the increase in milk supplies has been going into butter production. Butter production was 1.9 million tons in 1978, compared with 1.8 million tons 1977 and is forecast to reach almost 2 million tons in 1979. In 1978, major increases occurred in Ireland (13 percent), Belgium-Luxembourg (15 percent), and the United Kingdom (21 percent). However, in 1979 these countries will cut back sharply, with gains forecast to range only between 3.7 and 5.8 percent. Stocks of EC butter, which comprise 70 percent of the world's total, are very high. Ending stocks for 1978 were 555,000 tons and are forecast to increase 22 percent to 677,000 tons in 1979, and unprecedented high. In an effort to reduce this burdensome stock position, the EC has initiated several measures to allow Community consumers to benefit from surpluses as well as to encourage more demand for butter. In 1978, special Christmas sales were offered to consumers in Germany, Ireland, and the United Kingdom, and a general butter subsidy is currently in effect in Ireland, the United Kingdom, Luxembourg, and Denmark. In addition, there have been subsidized sales to bakeries, ice cream manufacturers, and old-age pension homes. However, generally speaking, it appears that the problem of oversupply cannot be solved by merely creating more demand, and overproduction and stock problems will continue into 1980.

There have been unconfirmed reports that EC butter sales to the USSR so far this year have been between 65,000 and 80,000 tons, and that the USSR is attempting to buy another 75,000 tons this winter.

In contrast to the situation in the EC, butter production in the rest of the world was generally down in 1978, with the same situation forecast for 1979.

In Eastern Europe, production was up 1.5 percent in 1978 because of increased milk supplies. However, in 1979, production should be down by 0.7 percent, largely as a result of the severe winter and its effect on milk production. In Poland, where output has been stagnating, domestic butter supplies had to be augmented by imports to meet growing consumer demand.

In the United States and Canada, butter production in 1978 was down 8.5 and 9.7 percent, respectively. Production for 1979 is forecast to decrease further by 1.3 percent in the United States and 4.9 percent in Canada as milk supplies are diverted into cheese, with resulting decreases in stocks.

Australian butter production is also declining. Production in 1978 was 5.1 percent below 1977 levels with a further reduction of 7.1 percent to 104,000 tons forecast for 1979. As in the United States and Canada, more milk is being used for cheese manufacture.

New Zealand's butter production is forecast to increase 9.6 percent in 1979, rebounding from a substantial decline in 1978. New Zealand, a traditional butter exporter, faces an uncertain future in its EC market. Access to the United Kingdom market is guaranteed only through 1980 and is limited to 120,000 tons in 1979 and 115,000 tons in 1980. These figures may be reduced even further if the EC requests lower imports in exchange for a reduction in the import levy on New Zealand butter or continued limited market access after 1980. New Zealand must seek new markets for its butter or face the alternative of producing other products.

CHEESE

Cheese production in the EC continues to climb, with an estimated 2.5 percent increase forecast for 1979. The largest increases will be in Ireland and the United Kingdom, where output is up 20 and 7 percent, respectively. France, the EC's largest cheese producer, is expected to increase production 2.8 percent in 1979 to 1.09 million tons, accounting for 32.5 percent of EC cheese output. It is also expected that within the next 3 years, production will continue to increase as more milk is used for cheese production. In addition to projected increases in 1979 domestic consumption--which will help offset increased production--France also will export approximately 210,000 tons, a 6.1 percent increase over the 1978 level.

In Japan, production will continue to remain relatively static in 1979, but further increases in consumption will again necessitate more imports. According to industry sources, table consumption of natural cheese more than doubled from about 9,000 tons in 1974 to approximately 20,000 tons in 1978. Since Japan has overproduction of milk and imports are needed to satisfy natural cheese demand, dairy producers are calling for domestic processors to increase natural cheese production above its present level of 9,000 tons a year.

Cheese production in Argentina during 1979 is forecast to decrease 3.3 percent to 237,000 tons. Exports will also decrease by at least 38 percent because of decreased production and a high internal rate of inflation, reducing Argentina's price competitiveness in the world market. In addition Brazil--Argentina's main market--increased its duties on imported cheese in October 1978 from 15 to 170 percent, virtually closing this market to Argentine cheese exports.

In Canada and the United States, cheese production continues upward as more milk is diverted to its manufacture. Canada and the United States expect 1979 production to top 1978's by 8.5 and 6.6 percent, respectively.

CASEIN

Casein production in the major EC producing countries will continue its increasing trend into 1979. After being up 17 percent in 1978, production is expected to expand an additional 6,000 tons, or 9.7 percent, in 1979. In France, casein production is forecast to increase 13.6 percent this year to 25,000 tons, most of which will be exported. Ireland also is stepping up production in response to rising prices and continued high exports to the United States.

In Argentina, casein production in 1978 continued the downward trend of the past few years. At 3,300 tons, output was 27 percent below that of 1977, and 1979 production is estimated to decline 15 percent 2,800 tons. Exports in 1978 dropped 37 percent to 2,700 tons, and in 1979 are expected to decline still further to 2,100 tons. Since Argentina is classified as a foot-and-mouth country, exports of casein to the United States, its major market, are subject to strict health and sanitary controls. U.S. imports of Argentine casein were down 1,799

tons to 1,365 tons in 1978. During the first 7 months of this year, U.S.-Argentine trade amounted to only 587 tons, less than half of last year's total.

New Zealand casein production was up 12.3 percent in 1978/79 as export demand remained high, with the United States, EC, and Japan being the main markets.

This circular was prepared by the Dairy, Livestock, and Poultry Division; Commodity Programs; FAS/USDA; Washington, D.C. 20250. Tel. (202) 447-8031.

TABLE 1.--MILK: PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1970-74, ANNUAL 1975-79

(In thousands of metric tons)

REGION AND COUNTRY	AVERAGE 1970/74	1975	1976	1977 ^{1/}	1978 ^{2/}	1979 ^{3/}
NORTH AMERICA:						
CANADA.....	7,935	7,744	7,685	7,743	7,411	7,570
MEXICO.....	5,986	6,619	6,350	6,634	6,970	6,960
UNITED STATES.....	53,213	52,312	54,554	55,655	55,306	55,974
TOTAL.....	67,134	66,675	68,589	70,032	69,687	70,504
SOUTH AMERICA:						
ARGENTINA.....	5,202	5,646	5,625	5,303	5,331	5,150
BRAZIL.....	6,865	8,849	9,296	9,539	10,780	10,800
CHILE.....	1,005	956	1,022	1,003	960	880
PERU.....	610	634	640	630	635	645
VENEZUELA.....	1,013	1,187	1,157	1,206	1,267	1,274
TOTAL.....	14,695	17,272	17,740	17,681	18,973	18,749
EUROPE:						
BELGIUM-LUXEMBURG.....	3,894	3,869	3,843	3,778	3,926	3,900
DENMARK.....	4,704	4,918	5,045	5,139	5,324	5,375
FRANCE.....	29,598	30,910	30,801	31,478	31,730	32,200
GERMANY, FEDERAL REP. OF...	21,457	21,604	22,165	22,523	23,291	23,450
IRELAND.....	3,365	3,689	3,959	4,262	4,717	5,087
ITALY.....	9,975	10,032	10,233	10,515	10,880	11,120
NETHERLANDS.....	8,970	10,221	10,490	10,612	11,364	11,600
UNITED KINGDOM.....	13,431	13,520	13,500	14,503	15,176	15,700
TOTAL EC.....	95,394	98,763	100,036	102,810	106,408	108,432
AUSTRIA.....	3,311	3,253	3,277	3,333	3,357	3,380
FINLAND.....	3,229	3,164	3,278	3,231	3,225	3,255
GREECE.....	1,477	1,692	1,704	1,733	1,696	1,700
NORWAY.....	1,794	1,834	1,898	1,860	1,838	1,861
PORTUGAL.....	593	671	707	674	702	708
SPAIN.....	5,100	5,504	5,726	5,877	6,100	6,345
SWEDEN.....	2,972	3,168	3,247	3,249	3,298	3,384
SWITZERLAND.....	3,251	3,396	3,473	3,511	3,542	3,574
TOTAL WESTERN EUROPE....	117,122	121,445	123,346	126,278	130,166	132,639
CZECHOSLOVAKIA.....	5,014	5,298	5,238	5,363	5,472	5,370
GERMAN, DEMOCRATIC REP....	7,631	8,127	8,118	8,059	8,363	8,420
HUNGARY.....	1,834	1,920	1,873	2,078	2,200	2,230
POLAND.....	16,096	16,749	16,893	17,313	17,420	17,420
YUGOSLAVIA.....	3,004	3,688	3,874	4,078	4,179	4,130
TOTAL EASTERN EUROPE....	33,580	35,782	35,996	36,891	37,634	37,570
TOTAL EUROPE.....	150,701	157,227	159,342	163,169	167,800	170,209
SOVIET UNION.....						
	85,896	90,800	89,200	94,665	94,500	91,500
AFRICA:						
SOUTH AFRICA.....	2,814	2,407	2,475	2,503	2,251	2,300
ASIA:						
CHINA, PEOPLE'S REP.....	4,743	5,416	5,619	5,682	5,751	5,825
INDIA.....	22,808	24,000	24,300	24,400	25,000	25,700
JAPAN.....	4,859	4,961	5,262	5,735	6,125	6,450
TOTAL.....	32,410	34,377	35,181	35,817	36,876	37,975
OCEANIA:						
AUSTRALIA ^{4/}	7,335	6,670	6,421	5,933	5,311	5,900
NEW ZEALAND ^{3/}	5,985	5,909	6,359	6,635	6,069	6,566
TOTAL.....	13,320	12,579	12,780	12,568	11,380	12,466
GRAND TOTAL.....	366,971	381,337	385,307	396,435	401,467	403,703

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING

^{1/} REVISED; ^{2/} PRELIMINARY; ^{3/} FORECAST ^{4/} YEAR ENDING JUNE 30; ^{5/} YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U. S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION.

OCTOBER 1979

DAIRY, LIVESTOCK AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 2.--BUTTER: PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1970-74, ANNUAL 1975-79
(In thousands of metric tons)

REGION AND COUNTRY	AVERAGE 1970/74	1975	1976	1977 ^{1/}	1978 ^{2/}	1979 ^{3/}
NORTH AMERICA:						
CANADA.....	127	129	114	113	102	97
MEXICO.....	7	8	8	8	8	8
UNITED STATES.....	478	445	444	493	451	445
TOTAL.....	612	582	566	614	561	550
SOUTH AMERICA:						
ARGENTINA.....	37	40	40	30	29	28
BRAZIL.....	56	89	66	69	90	90
CHILE.....	6	7	5	5	4	5
PERU.....	6	6	6	6	5	5
VENEZUELA.....	5	7	7	9	12	12
TOTAL.....	110	149	124	119	140	140
EUROPE:						
BELGIUM-LUXEMBOURG.....	97	191	99	92	106	110
DENMARK.....	135	139	139	131	140	140
FRANCE.....	518	556	540	551	565	580
GERMANY, FEDERAL REP OF.....	499	521	544	535	564	560
IRELAND.....	78	86	103	105	119	126
ITALY.....	61	62	62	72	80	80
NETHERLANDS.....	150	204	202	179	211	230
UNITED KINGDOM.....	75	48	90	134	162	170
TOTAL EC.....	1,613	1,717	1,779	1,799	1,947	1,996
AUSTRIA.....	46	45	45	47	41	42
FINLAND.....	82	74	83	74	72	74
GREECE.....	7	7	7	7	6	6
NORWAY.....	20	20	24	24	21	21
PORTUGAL.....	2	2	2	2	3	3
SPAIN.....	9	13	15	18	21	24
SWEDEN.....	53	56	61	61	63	66
SWITZERLAND.....	30	34	35	34	33	33
TOTAL WESTERN EUROPE....	1,864	1,968	2,051	2,066	2,207	2,265
CZECHOSLOVAKIA.....	101	109	113	121	119	117
GERMAN, DEMOCRATIC REP.....	243	270	278	273	282	283
HUNGARY.....	20	16	20	26	29	27
POLAND.....	187	251	266	293	293	293
YUGOSLAVIA.....	14	16	17	19	20	18
TOTAL EASTERN EUROPE....	565	664	694	732	743	738
TOTAL EUROPE.....	2,429	2,632	2,745	2,798	2,950	3,003
SUUVET UNION.....	1,113	1,231	1,408	1,500	1,472	1,413
AFRICA:						
SOUTH AFRICA.....	41	26	26	21	16	14
ASIA:						
CHINA, PEOPLES REP.....	76	87	91	93	95	95
INDIA.....	435	451	455	457	460	465
JAPAN.....	44	40	44	54	62	68
TOTAL.....	555	578	590	604	617	628
OCEANIA:						
AUSTRALIA ^{4/}	196	161	148	118	112	104
NEW ZEALAND ^{5/}	235	239	251	263	229	251
TOTAL.....	431	400	399	381	341	355
GRAND TOTAL.....	5,292	5,598	5,858	6,037	6,097	6,103

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.

^{1/} REVISED. ^{2/} PRELIMINARY. ^{3/} FORECAST. ^{4/} YEAR ENDING JUNE 30. ^{5/} YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U. S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION.

OCTOBER 1979

DAIRY, LIVESTOCK AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 3.-- CHEESE: PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1970-74, ANNUAL 1975-79
(IN THOUSANDS OF METRIC TONS)

REGION AND COUNTRY	AVERAGE 1970/74	1975	1976	1977 ^{1/}	1978 ^{2/}	1979 ^{3/}
NORTH AMERICA:						
CANADA.....	134	121	125	133	141	153
MEXICO.....	83	113	113	115	117	120
UNITED STATES.....	1,161	1,275	1,506	1,523	1,596	1,701
TOTAL.....	1,378	1,509	1,744	1,771	1,854	1,974
SOUTH AMERICA:						
ARGENTINA.....	194	226	240	236	245	237
BRAZIL.....	142	173	200	205	220	230
CHILE.....	16	11	11	14	12	12
PERU.....	26	30	31	31	28	25
VENEZUELA.....	26	31	28	27	29	30
TOTAL.....	404	471	510	513	534	534
EUROPE:						
BELGIUM-LUXEMBOURG.....	41	41	42	47	45	45
DENMARK.....	126	147	152	172	177	177
FRANCE ^{4/}	853	943	970	1,023	1,055	1,085
GERMANY, FEDERAL REP. OF.....	541	618	650	691	713	730
IRELAND.....	43	62	50	54	50	60
ITALY.....	440	529	537	553	585	595
NETHERLANDS.....	323	375	382	412	420	419
UNITED KINGDOM.....	175	239	204	206	215	230
TOTAL EC.....	2,542	2,954	2,987	3,158	3,260	3,341
AUSTRIA.....	52	60	62	66	71	73
FINLAND.....	45	56	57	60	66	70
GREECE.....	142	157	154	156	156	158
NORWAY.....	55	62	61	60	66	67
PORTUGAL.....	22	24	25	28	29	31
SPAIN.....	78	100	113	120	130	140
SWEDEN.....	67	81	84	87	94	96
SWITZERLAND.....	94	104	111	115	119	120
TOTAL WESTERN EUROPE.....	3,096	3,598	3,654	3,850	3,991	4,096
CZECHOSLOVAKIA.....	78	90	85	84	98	96
GERMAN, DEMOCRATIC REP.....	157	184	196	200	208	210
HUNGARY.....	24	23	26 ^f	30	34	37
POLAND.....	284	283	310	345	357	357
YUGOSLAVIA.....	103	120	127	134	138	137
TOTAL EASTERN EUROPE.....	646	700	744	793	835	837
TOTAL EUROPE.....	3,742	4,298	4,398	4,643	4,826	4,933
SOVIET UNION.....	505	559	655	655	691	710
AFRICA:						
SOUTH AFRICA.....	19	22	30	29	28	26
ASIA:						
CHINA, PEOPLES REP.....	171	180	186	188	190	190
INDIA.....	--	1	1	1	1	1
JAPAN.....	9	9	9	9	9	9
TOTAL.....	180	190	196	198	200	200
OCEANIA:						
AUSTRALIA ^{5/}	85	99	113	104	116	139
NEW ZEALAND ^{6/}	102	89	105	81	78	87
TOTAL.....	187	188	218	185	194	226
GRAND TOTAL.....	6,416	7,237	7,751	7,994	8,327	8,603

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING. --DENOTES UNAVAILABLE, NEGLIGIBLE, OR ZERO.

^{1/} REVISED. ^{2/} PRELIMINARY. ^{3/} FORECAST. ^{4/} INCLUDES UNCURED CHEESE. ^{5/} YEAR ENDING JUNE 30. ^{6/} YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION.

OCTOBER 1979

DAIRY, LIVESTOCK AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USOA

TABLE 4.--NONFAT DRY MILK: PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1970-74, ANNUAL 1975-79
(In thousands of metric tons)

REGION AND COUNTRY	AVERAGE 1970/74	1975	1976	1977 ^{1/}	1978 ^{2/}	1979 ^{3/}
NORTH AMERICA:						
CANADA.....	153	187	159	159	131	115
MEXICO.....	--	5	4	5	5	5
UNITED STATES.....	546	451	420	502	417	395
TOTAL.....	699	643	583	666	553	515
SOUTH AMERICA:						
ARGENTINA.....	44	73	85	66	64	61
BRAZIL.....	88	138	138	155	215	200
CHILE.....	2	4	2	2	2	2
PERU.....	--	--	--	--	--	--
VENEZUELA.....	--	--	--	--	--	--
TOTAL.....	134	215	225	223	281	263
EUROPE:						
BELGIUM-LUXEMBOURG.....	114	132	125	116	145	150
DENMARK.....	40	69	64	53	64	63
FRANCE.....	672	730	715	696	676	655
GERMANY, FEDERAL REP OF.....	414	523	532	514	553	560
IRELAND.....	70	134	164	145	169	176
ITALY.....	6	2	3	3	3	3
NETHERLANDS.....	114	186	169	138	202	200
UNITED KINGDOM.....	126	105	160	246	270	250
TOTAL EC.....	1,555	1,881	1,932	1,911	2,082	2,057
AUSTRIA.....	47	51	50	52	40	45
FINLAND.....	48	51	64	56	55	54
GREECE.....	--	--	--	--	--	--
NORWAY.....	9	9	10	8	7	8
PORTUGAL.....	7	8	9	9	9	10
SPAIN.....	11	18	18	20	25	40
SWEDEN.....	45	45	43	40	36	40
SWITZERLAND.....	26	34	34	30	28	30
TOTAL WESTERN EUROPE.....	1,748	2,097	2,160	2,126	2,282	2,284
CZECHOSLOVAKIA.....	--	--	--	--	--	--
GERMANY, DEMOCRATIC REP.....	--	--	--	--	--	--
HUNGARY.....	2	--	13	13	13	13
POLAND.....	44	104	126	132	152	152
YUGOSLAVIA.....	7	9	11	17	18	18
TOTAL EASTERN EUROPE.....	52	113	150	162	183	183
TOTAL EUROPE.....	1,801	2,210	2,310	2,288	2,465	2,467
SOVIET UNION.....	252	316	356	354	360	349
AFRICA:						
SOUTH AFRICA.....	12	16	19	18	15	12
ASIA:						
CHINA, PEOPLES REP.....	--	--	--	--	--	--
INDIA.....	11	18	19	20	21	22
JAPAN.....	68	76	82	103	120	130
TOTAL.....	79	94	101	123	141	152
OCEANIA:						
AUSTRALIA ^{4/}	124	169	147	97	84	81
NEW ZEALAND ^{5/}	163	244	207	206	173	174
TOTAL.....	287	413	354	303	257	255
GRAND TOTAL.....	3,265	3,907	3,948	3,975	4,072	4,013

NOT: TOTALS MAY NOT ADD DUE TO ROUNDING. --DENOTES UNAVAILABLE, NEGLIGIBLE, OR ZERO.
^{1/} REVISED. ^{2/} PRELIMINARY. ^{3/} FORECAST. ^{4/} YEAR ENDING JUNE 30. ^{5/} YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS REPORTS OF U. S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION.

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DAIRY, LIVESTOCK AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 1.--BUTTER SUPPLY AND DISTRIBUTION IN SPECIFIC COUNTRIES, 1979 ^{1/}
(In thousand of metric tons)

REGION AND COUNTRY	PRODUCTION	BEGINNING STOCKS	IMPORTS	TOTAL SUPPLY	EXPORTS	DOMESTIC CONSUMPTION	TOTAL USE	ENDING STOCKS	TOTAL DISTRIBUTION
NORTH AMERICA:									
CANADA.....	97	28	--	125	--	105	105	20	125
MEXICO.....	8	--	--	8	--	8	8	--	8
UNITED STATES.....	445	94	1	540	2/	450	452	88	540
TOTAL.....	550	122	1	673	2	563	565	108	673
SOUTH AMERICA:									
ARGENTINA.....	28	4	3	35	1	30	31	4	35
BRAZIL.....	90	--	--	90	--	90	90	--	90
CHILE.....	5	--	5	10	--	10	10	--	10
PERU.....	5	2	7	14	--	12	12	2	14
VENEZUELA.....	12	--	3	15	--	15	15	--	15
TOTAL.....	140	6	18	164	1	157	158	6	164
EUROPE:									
BELGIUM-LUXEMBOURG.....	110	42	100	252	100	102	202	50	252
DENMARK.....	140	8	1	149	90	52	142	7	149
FRANCE.....	580	86	71	737	115	513	628	109	737
GERMANY, FEDERAL REP OF.....	560	201	45	806	120	445	565	241	806
IRELAND.....	126	21	1	148	89	39	128	20	148
ITALY.....	80	--	40	120	--	120	120	--	120
NETHERLANDS.....	230	68	62	360	215	45	260	100	360
UNITED KINGDOM.....	170	129	281	580	20	410	430	150	580
TOTAL EC.....	1,996	555	601	3,152	749	1,726	2,475	677	3,152
AUSTRIA.....	42	--	1	43	1	42	43	--	43
FINLAND.....	74	8	--	82	19	55	74	8	82
GREECE.....	6	--	3	9	--	9	9	--	9
NORWAY.....	21	1	1	23	--	22	22	1	23
PORTUGAL.....	3	--	3	6	--	6	6	--	6
SPAIN.....	24	9	2	35	--	25	25	10	35
SWEDEN.....	66	2	--	68	14	52	66	2	68
SWITZERLAND.....	33	4	12	49	--	44	44	5	49
TOTAL WESTERN EUROPE....	2,265	579	623	3,467	783	1,981	2,764	703	3,467
CZECHOSLOVAKIA.....	117	--	--	117	--	117	117	--	117
GERMAN, DEMOCRATIC REP....	283	--	9	292	32	260	292	--	292
HUNGARY.....	27	--	3	30	3	27	30	--	30
POLAND.....	293	5	15	313	3	308	311	2	313
YUGOSLAVIA.....	18	7	5	30	--	24	24	6	30
TOTAL EASTERN EUROPE....	738	12	32	782	38	736	774	8	782
TOTAL EUROPE.....	3,003	591	655	4,249	821	2,717	3,538	711	4,249
SOVIET UNION.....	1,413	--	55	1,468	17	1,451	1,468	--	1,468
AFRICA:									
SOUTH AFRICA.....	14	1	3	18	--	15	15	3	18
ASIA:									
CHINA, PEOPLES REP.....	95	--	--	95	--	95	95	--	95
INDIA.....	465	--	12	477	--	477	477	--	477
JAPAN.....	68	21	1	90	--	56	56	34	90
TOTAL.....	628	21	13	662	--	628	628	34	662
OCEANIA:									
AUSTRALIA.....	104	22	--	126	36	70	106	20	126
NEW ZEALAND.....	251	82	--	333	191	44	235	98	333
TOTAL.....	355	104	--	459	227	114	341	118	459
GRAND TOTAL.....	6,103	845	745	7,693	1,068	5,645	6,713	980	7,693

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING -- DENOTES UNAVAILABLE, NEGLIGIBLE, OR ZERO.

^{1/} PRELIMINARY. ^{2/} INCLUDING SHIPMENTS TO TERRITORIES. ^{3/} YEARS ENDING JUNE 30. ^{4/} YEARS ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION.

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DAIRY, LIVESTOCK & POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 6.--CHEESE: SUPPLY AND DISTRIBUTION IN SPECIFIED COUNTRIES, 1979 ^{1/}
(In thousand of metric tons)

REGION AND COUNTRY	PRODUCTION	BEGINNING STOCKS	IMPORTS	TOTAL SUPPLY	EXPORTS	DOMESTIC CONSUMPTION	TOTAL USE	ENDING STOCKS	TOTAL DISTRIBUTION
NORTH AMERICA:									
CANADA.....	153	38	20	211	3	168	171	40	211
MEXICO.....	120	--	2	122	--	122	122	--	122
UNITED STATES.....	1,701	207	105	2,013	^{2/} 19	1,779	1,798	215	2,013
TOTAL.....	1,974	245	127	2,346	22	2,069	2,091	255	2,346
SOUTH AMERICA:									
ARGENTINA.....	237	24	1	262	10	232	242	20	262
BRAZIL.....	230	--	--	230	--	230	230	--	230
CHILE.....	12	--	1	13	--	13	13	--	13
PERU.....	25	5	--	30	--	26	26	4	30
VENEZUELA.....	30	--	7	37	--	37	37	--	37
TOTAL.....	534	29	9	572	10	538	548	24	572
EUROPE:									
BELGIUM-LUXEMBOURG.....	45	3	82	130	15	112	127	3	130
DENMARK.....	177	22	4	203	132	48	180	23	203
FRANCE ^{3/}	1,085	94	60	1,239	210	925	1,135	104	1,239
GERMANY, FEDERAL REP OF.....	730	--	230	960	180	780	960	--	960
IRELAND.....	60	15	2	77	56	11	67	10	77
ITALY.....	595	35	205	835	30	775	805	30	835
NETHERLANDS.....	419	63	23	505	245	195	440	65	505
UNITED KINGDOM.....	230	91	89	410	15	305	320	90	410
TOTAL EC.....	3,341	323	695	4,359	883	3,151	4,034	325	4,359
AUSTRIA.....	73	5	8	86	39	43	82	4	86
FINLAND.....	70	8	--	78	36	35	71	7	78
GREECE.....	158	1	6	165	--	164	164	1	165
NORWAY.....	67	16	1	84	20	48	68	16	84
PORTUGAL.....	31	1	1	33	1	31	32	1	33
SPAIN.....	140	52	30	222	1	160	161	61	222
SWEDEN.....	96	31	13	140	3	105	108	32	140
SWITZERLAND.....	120	20	18	158	59	81	140	18	158
TOTAL WESTERN EUROPE....	4,096	457	772	5,325	1,042	3,818	4,860	465	5,325
CZECHOSLOVAKIA.....	96	--	--	96	--	96	96	--	96
GERMANY, DEMOCRATIC REP....	210	--	8	218	--	218	218	--	218
HUNGARY.....	37	--	--	37	10	27	37	--	37
POLAND.....	357	10	1	368	10	347	357	11	368
YUGOSLAVIA.....	137	2	--	139	1	137	138	1	139
TOTAL EASTERN EUROPE....	837	12	9	858	21	825	846	12	858
TOTAL EUROPE.....	4,933	469	781	6,183	1,063	4,643	5,706	477	6,183
SOVIET UNION.....	710	--	6	716	8	708	716	--	716
AFRICA:									
SOUTH AFRICA.....	26	5	1	32	--	29	29	3	32
ASIA:									
CHINA, PEOPLES REP.....	190	--	--	190	--	190	190	--	190
INDIA.....	1	--	--	1	--	1	1	--	1
JAPAN.....	9	6	73	88	--	82	82	6	88
TOTAL.....	200	6	73	279	--	273	273	6	279
OCEANIA:									
AUSTRALIA ^{4/}	139	29	12	180	51	88	139	41	180
NEW ZEALAND ^{5/}	87	37	--	124	63	28	91	33	124
TOTAL.....	226	66	12	304	114	116	230	74	304
GRAND TOTAL.....	8,603	820	1,009	10,432	1,217	8,376	9,593	839	10,432

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING, -- DENOTES UNAVAILABLE, NEGLIGIBLE, OR ZERO.

^{1/} PRELIMINARY. ^{2/} INCLUDING SHIPMENTS TO TERRITORIES. ^{3/} INCLUDES UNCURED CHEESE. ^{4/} YEAR ENDING JUNE 30. ^{5/} YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION.

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DAIRY, LIVESTOCK AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 7.--NONFAT DRY MILK: SUPPLY AND DISTRIBUTIONS IN SPECIFIED COUNTRIES, 1979 ^{1/}
(In thousand of metric tons)

REGION AND COUNTRY	PRODUCTION	BEGINNING STOCKS	IMPORTS	TOTAL SUPPLY	EXPORTS	DOMESTIC CONSUMPTION	TOTAL USE	ENDING STOCKS	TOTAL DISTRIBUTION
NORTH AMERICA:									
CANADA.....	115	42	--	157	75	50	125	32	157
MEXICO.....	5	15	60	80	--	70	70	10	80
UNITED STATES ^{2/}	395	265	1	661	^{3/} 111	341	452	209	661
TOTAL.....	515	322	61	898	186	461	647	251	898
SOUTH AMERICA:									
ARGENTINA.....	61	15	10	86	3	70	73	13	86
BRAZIL.....	200	35	--	235	--	220	220	15	235
CHILE.....	2	--	7	9	--	9	9	--	9
PERU.....	--	5	12	17	--	14	14	3	17
VENEZUELA.....	--	--	8	8	--	8	8	--	8
TOTAL.....	263	55	37	355	3	321	324	31	355
EUROPE:									
BELGIUM-LUXEMBOURG.....	150	86	40	276	81	184	265	11	276
DENMARK.....	63	26	2	91	30	59	89	2	91
FRANCE.....	655	89	75	819	120	619	739	80	819
GERMANY, FEDERAL REP OF.....	560	459	100	1,119	400	541	941	178	1,119
IRELAND.....	176	23	1	200	164	33	197	3	200
ITALY.....	3	--	225	228	--	228	228	--	228
NETHERLANDS.....	200	1	349	550	150	400	550	--	550
UNITED KINGDOM.....	250	20	15	285	80	190	270	15	285
TOTAL EC.....	2,057	704	807	3,568	1,025	2,254	3,279	289	3,568
AUSTRIA.....	45	5	--	50	13	32	45	5	50
FINLAND.....	54	--	--	54	--	54	54	--	54
GREECE.....	--	--	2	2	--	2	2	--	2
NORWAY.....	8	1	2	11	--	10	10	1	11
PORTUGAL.....	10	--	3	13	--	13	13	--	13
SPAIN.....	40	10	15	65	--	60	60	5	65
SWEDEN.....	40	12	--	52	15	25	40	12	52
SWITZERLAND.....	30	5	--	35	1	28	29	6	35
TOTAL WESTERN EUROPE.....	2,284	737	829	3,850	1,054	2,478	3,532	318	3,850
HUNGARY.....	13	--	3	16	--	16	16	--	16
POLAND.....	152	18	--	170	28	124	152	18	170
YUGOSLAVIA.....	18	6	--	24	1	19	20	4	24
TOTAL EASTERN EUROPE.....	183	24	3	210	29	159	186	22	210
TOTAL EUROPE.....	2,467	761	832	4,060	1,083	2,637	3,720	340	4,060
SOVIET UNION.....	349	--	25	374	--	374	374	--	374
AFRICA:									
SOUTH AFRICA.....	12	2	6	20	--	18	18	2	20
ASIA:									
INDIA.....	22	--	30	52	--	52	52	--	52
JAPAN.....	130	55	110	295	--	225	225	70	295
TOTAL.....	152	55	140	347	--	277	277	70	347
OCEANIA:									
AUSTRALIA ^{4/}	81	4	--	89	18	52	70	19	89
NEW ZEALAND ^{5/}	174	65	--	239	190	14	204	35	239
TOTAL.....	255	73	--	328	208	66	274	54	328
GRAND TOTAL.....	4,013	1,268	1,101	6,382	1,480	4,154	5,634	748	6,382

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.-- DENOTES UNAVAILABLE, NEGLIGIBLE, OR ZERO.

^{1/} PRELIMINARY. ^{2/} FOR HUMAN CONSUMPTION ONLY. ^{3/} INCLUDING SHIPMENTS TO TERRITORIES. ^{4/} YEAR ENDING JUNE 30. ^{5/} YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICES, RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION.

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TABLE 8.--BUTTER: CONSOLIDATED SUPPLY AND DISTRIBUTION, 1977-1979
(in thousands of metric tons)

Country and region	1977 <u>1/</u>	1978 <u>2/</u>	1979 <u>3/</u>
EXPORTS			
EC <u>4/</u>	680	718	749
New Zealand	213	177	191
Australia	29	35	36
Canada	2	-	-
Subtotal	924	930	976
Other Western Europe <u>5/</u>	34	27	34
Selected Eastern Europe <u>6/</u>	32	42	38
Soviet Union	18	18	17
Selected South America <u>7/</u>	2	2	2
United States <u>8/</u>	4	1	-
South Africa	6	8	1
Total	1,020	1,028	1,068
IMPORTS			
EC	548	618	601
Selected Eastern Europe <u>6/</u>	18	19	32
Other Western Europe <u>5/</u>	20	22	22
Selected South America <u>7/</u>	21	18	18
Selected Asia <u>9/</u>	14	14	13
Canada	-	4	-
United States	1	1	1
South Africa	-	-	3
Mexico	-	-	-
Soviet Union	76	39	55
Total	698	735	745
PRODUCTION			
EC	1,799	1,947	1,996
United States	493	451	445
Other Western Europe <u>5/</u>	267	260	269
New Zealand	263	229	251
Australia	118	112	104
Canada	113	102	97
Subtotal	3,053	3,101	3,162
Soviet Union	1,500	1,472	1,413
Selected Eastern Europe <u>6/</u>	732	743	738
Selected Asia <u>9/</u>	604	617	628
Selected South America <u>7/</u>	119	140	140
Mexico	8	8	8
South Africa	21	16	14
Total	6,037	6,097	6,103
CONSUMPTION			
EC	1,672	1,690	1,726
United States	429	440	450
Other Western Europe <u>5/</u>	256	256	255
Canada	108	106	105
Australia	83	72	70
New Zealand	47	45	44
Subtotal	2,595	2,609	2,650
Soviet Union	1,558	1,493	1,451
Selected Eastern Europe <u>6/</u>	706	733	736
Selected Asia <u>9/</u>	614	622	628
Selected South America <u>7/</u>	137	150	157
South Africa	20	18	15
Mexico	8	8	8
Total	5,638	5,633	5,645
ENDING STOCKS			
EC	398	555	677
New Zealand	75	82	98
Canada	28	28	20
Australia	17	22	20
Other Western Europe <u>5/</u>	25	25	26
United States	84	94	88
Subtotal	627	806	929
Selected South America <u>7/</u>	6	6	6
Selected Eastern Europe <u>6/</u>	25	12	8
Selected Asia <u>9/</u>	12	21	34
South Africa	4	1	3
Mexico	-	-	-
Total	674	846	980

1/ Revised: beginning stocks were 403,000 metric tons. 2/ Preliminary. 3/ Forecast. 4/ Including intra-trade, which export basis, was 415,000, 416,000 and 421,000. 5/ Including Austria, Finland, Greece, Norway, Portugal, Spain, Sweden, and Switzerland. 6/ Including Czechoslovakia, German Democratic Republic, Hungary, Poland, and Yugoslavia. 7/ Including Argentina, Brazil, Chile, Peru, and Venezuela. 8/ Including shipments to territories. 9/ Including India, Japan, and People's Republic of China.

TABLE 9.--CHEESE: CONSOLIDATED SUPPLY AND DISTRIBUTION, 1977-1979
(In thousands of metric tons)

Country and region	1977 <u>1/</u>	1978 <u>2/</u>	1979 <u>3/</u>
<u>EXPORTS</u>			
EC <u>4/</u>	801	840	883
New Zealand	79	70	63
Australia	52	44	51
Canada	2	3	3
Subtotal	934	957	1,000
Other Western Europe <u>5/</u>	158	157	159
Selected Eastern Europe <u>6/</u>	14	16	21
Soviet Union	7	8	8
Selected South America <u>7/</u>	17	20	19
United States <u>8/</u>	3	--	--
South Africa	17	16	10
Total	1,150	1,174	1,217
<u>IMPORTS</u>			
EC	681	701	695
Selected Eastern Europe <u>6/</u>	9	9	9
Other Western Europe <u>5/</u>	69	76	77
Selected South America <u>7/</u>	20	18	9
Selected Asia <u>9/</u>	65	70	73
Canada	22	19	20
United States	95	110	105
South Africa	--	--	-1
Mexico	2	2	2
Soviet Union	6	6	6
Total	969	1,011	997
<u>PRODUCTION</u>			
EC	3,158	3,260	3,341
United States	1,523	1,596	1,701
Other Western Europe <u>5/</u>	692	731	755
New Zealand	81	78	87
Australia	104	116	139
Canada	133	141	153
Subtotal	5,691	5,922	6,176
Soviet Union	655	691	710
Selected Eastern Europe <u>6/</u>	793	835	837
Selected Asia <u>9/</u>	198	200	200
Selected South America <u>7/</u>	513	534	534
Mexico	115	117	120
South Africa	29	28	26
Total	7,994	8,327	8,603
<u>CONSUMPTION</u>			
EC	3,012	3,087	3,151
United States	1,597	1,700	1,779
Other Western Europe <u>5/</u>	612	641	667
Canada	154	156	168
Australia	71	86	88
New Zealand	18	24	28
Subtotal	5,464	5,694	5,881
Soviet Union	654	689	708
Selected Eastern Europe <u>6/</u>	790	824	825
Selected Asia <u>9/</u>	259	269	273
Selected South America <u>7/</u>	516	538	538
South Africa	29	29	29
Mexico	117	119	122
Total	7,829	8,162	8,376
<u>ENDING STOCKS</u>			
EC	289	323	325
New Zealand	53	37	33
Canada	37	38	40
Australia	32	29	41
Other Western Europe <u>5/</u>	126	135	140
United States	221	207	215
Subtotal	758	769	794
Selected South America <u>7/</u>	31	29	24
Selected Eastern Europe <u>6/</u>	8	12	12
Selected Asia <u>9/</u>	5	6	6
South Africa	7	6	3
Mexico	--	--	--
Total	809	822	839

1/ Revised; beginning stocks were 814,000 metric tons. 2/ Preliminary. 3/ Forecast. 4/ Including intra-trade, which export basis, was 590,000, 615,000 and 647,000. 5/ Including Austria, Finland, Greece, Norway, Portugal, Spain, Sweden, and Switzerland. 6/ Including Czechoslovakia, German Democratic Republic, Hungary, Poland, and

Yugoslavia. 7/ Including Argentina, Brazil, Chile, Peru, and Venezuela. 8/ Including shipments to territories. 9/ Including India, Japan, and People's Republic of China.

TABLE 10.—NONFAT DRY MILK: CONSOLIDATED SUPPLY AND DISTRIBUTION, 1977-1979
(In thousands of metric tons)

Country and region	1977 ^{1/}	1978 ^{2/}	1979 ^{3/}
<u>EXPORTS</u>			
EC ^{4/}	951	1,211	1,025
New Zealand	296	204	190
Australia	110	36	18
Canada	166	123	75
Subtotal	1,523	1,574	1,308
Other Western Europe ^{5/}	23	31	29
Selected Eastern Europe ^{6/}	30	29	29
Soviet Union	-	-	-
Selected South America ^{7/}	14	5	3
United States ^{8/}	74	125	111
South Africa	-	-	-
Total	1,665	1,764	1,480
<u>IMPORTS</u>			
EC	552	800	807
Selected Eastern Europe ^{6/}	3	3	3
Other Western Europe ^{5/}	96	19	22
Selected South America ^{7/}	94	48	37
Selected Asia ^{9/}	135	170	140
Canada	-	-	-
United States	1	1	1
South Africa	-	-	6
Mexico	58	75	60
Soviet Union	40	27	25
Total	979	1,143	1,101
<u>PRODUCTION</u>			
EC	1,911	2,082	2,057
United States	502	417	395
Other Western Europe ^{5/}	215	200	227
New Zealand	206	173	174
Australia	97	84	81
Canada	159	131	115
Subtotal	3,090	3,087	3,049
Soviet Union	354	360	349
Selected Eastern Europe ^{6/}	162	183	183
Selected Asia ^{9/}	123	141	152
Selected South America ^{7/}	223	281	263
Mexico	5	5	5
South Africa	18	15	12
Total	3,975	4,072	4,013
<u>CONSUMPTION</u>			
EC	1,744	1,937	2,254
United States	341	336	341
Other Western Europe ^{5/}	268	217	224
Canada	82	22	50
Australia	39	51	52
New Zealand	29	17	14
Subtotal	2,503	2,580	2,935
Soviet Union	394	387	374
Selected Eastern Europe ^{6/}	139	151	159
Selected Asia ^{9/}	255	271	277
Selected South America ^{7/}	300	291	321
South Africa	20	21	18
Mexico	68	75	70
Total	3,679	3,775	4,154
<u>ENDING STOCKS</u>			
EC	970	704	289
New Zealand	113	65	35
Canada	56	42	32
Australia	11	8	19
Other Western Europe ^{5/}	62	33	29
United States	308	265	209
Subtotal	1,520	1,117	613
Selected South America ^{7/}	22	55	31
Selected Eastern Europe ^{6/}	18	24	22
Selected Asia ^{9/}	15	55	70
South Africa	8	2	2
Mexico	10	15	10
Total	1,593	1,268	748

^{1/} Revised: beginning stocks were 1202,000 metric tons. ^{2/} Preliminary. ^{3/} Forecast. ^{4/} Including intra-trade, which export basis, was 622,000, 618,000 and 595,000. ^{5/} Including Austria, Finland, Greece, Norway, Portugal, Spain, Sweden, and Switzerland. ^{6/} Including Czechoslovakia, German Democratic Republic, Hungary, Poland and Yugoslavia. ^{7/} Including Argentina, Brazil, Chile, Peru, and Venezuela. ^{8/} Including shipments to territories.

^{9/} Including India, Japan, and People's Republic of China.

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TABLE II. -- CASEIN: PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1970-74, ANNUAL 1975-79
(In thousands in metric tons)

REGION AND COUNTRY	AVERAGE 1970/74	1975	1976	1977 ^{1/}	1978 ^{2/}	1979 ^{3/}
NORTH AMERICA:						
SOUTH AMERICA:						
ARGENTINA.....	1	4	8	5	3	3
TOTAL.....	1	8	8	5	3	3
EUROPE:						
FRANCE.....	21	13	12	19	22	25
GERMANY, FEDERAL REP OF...	3	14	13	13	15	16
IRELAND.....	1	2	4	8	11	12
NETHERLANDS.....	--	--	14	13	14	15
TOTAL EC.....	25	29	43	53	62	68
TOTAL WESTERN EUROPE....	25	29	43	53	62	68
POLAND.....	7	24	28	36	30	30
TOTAL EASTERN EUROPE....	7	24	28	36	30	30
TOTAL EUROPE.....	32	53	71	89	92	98
AFRICA:						
ASIA:						
OCEANIA:						
AUSTRALIA ^{4/}	3	14	16	17	19	18
NEW ZEALAND ^{5/}	35	35	52	58	57	64
TOTAL.....	38	49	68	75	76	82
GHANU TOTAL.....	72	110	147	169	171	183

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING. --OENOTES UNAVAILABLE, NEGLIGIBLE OR ZERO.
^{1/} REVISED. ^{2/} PRELIMINARY. ^{3/} FORECAST. ^{4/} YEAR ENDING JUNE 30. ^{5/} YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION.

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TABLE 12 ---CASEIN: SUPPLY AND DISTRIBUTION IN SPECIFIED COUNTRIES, 1979 ^{1/}
(in thousands of metric tons)

REGION AND COUNTRY	PRODUCTION	BEGINNING STOCKS	IMPORTS	TOTAL SUPPLY	EXPORTS	DOMESTIC CONSUMPTION	TOTAL USE	ENDING STOCKS	TOTAL DISTRIBUTION
NORTH AMERICA:									
UNITED STATES.....	--	--	65	65	1	64	65	--	65
TOTAL.....	--	--	65	65	1	64	65	--	65
SOUTH AMERICA:									
ARGENTINA.....	3	1	--	4	2	1	3	1	4
TOTAL.....	3	1	--	4	2	1	3	1	4
EUROPE:									
FRANCE.....	25	4	8	37	23	12	35	2	37
GERMANY, FEDERAL REP OF...	16	--	18	34	9	25	34	--	34
IRELAND.....	12	4	--	16	12	--	12	4	16
NETHERLANDS.....	15	--	15	30	20	10	30	--	30
TOTAL EC.....	68	8	41	117	64	47	111	6	117
TOTAL WESTERN EUROPE....	68	8	41	117	64	47	111	6	117
POLAND.....	30	8	--	38	18	17	35	3	38
TOTAL EASTERN EUROPE....	30	8	--	38	18	17	35	3	38
TOTAL EUROPE.....	98	16	41	155	82	64	146	9	155
AFRICA:	--	--	--	--	--	--	--	--	--
ASIA:	--	--	--	--	--	--	--	--	--
TOTAL.....	--	--	--	--	--	--	--	--	--
OCEANIA:									
AUSTRALIA ^{2/}	18	2	--	20	17	2	19	1	20
NEW ZEALAND ^{3/}	64	45	--	109	64	--	64	45	109
TOTAL.....	82	47	--	129	81	2	83	46	129
GRAND TOTAL.....	183	64	106	353	166	131	297	56	353

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING. -- DENOTES UNAVAILABLE, NEGLIGIBLE, OR ZERO.
^{1/} PRELIMINARY. ^{2/} YEAR ENDING JUNE 30. ^{3/} YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION.

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TABLE 13--LIQUID MILK: 1/ PER CAPITA PRODUCTION IN SPECIFIED COUNTRIES, ANNUAL 1974-79
(in kilograms)

Continent and Country	1974	1975	1976	1977	1978 2/	1979 3/
NORTH AMERICA:						
CANADA	339.2	339.2	332.1	330.2	318.3	315.4
MEXICO	108.9	110.0	101.9	98.7	98.6	98.1
UNITED STATES	247.4	245.0	253.6	256.7	253.1	253.9
SOUTH AMERICA:						
ARGENTINA	238.7	222.5	218.8	203.6	201.0	198.5
BRAZIL	82.2	94.1	96.2	96.1	103.9	105.2
CHILE	87.1	90.4	94.9	91.5	80.7	92.6
PERU	41.6	40.9	40.1	38.4	37.6	37.1
VENEZUELA	89.3	93.5	84.4	89.4	89.0	89.0
EUROPE:						
WESTERN:						
EC:						
BEL-LUX	390.8	380.8	374.9	374.5	388.3	380.2
DENMARK	954.1	971.9	995.1	1011.6	1051.1	916.7
FRANCE	582.7	585.5	582.0	593.4	591.4	594.7
GERMANY, F. R.	346.7	349.4	359.5	366.2	379.8	386.9
IRELAND	1112.3	1178.6	1252.8	1336.1	1470.4	1568.3
ITALY	179.9	179.8	182.1	185.9	188.6	189.4
NETHERLANDS	732.3	748.8	761.8	764.0	807.6	813.9
UNITED KINGDOM	244.6	241.6	241.4	255.8	268.5	277.7
EC AVERAGE	379.9	382.2	384.3	395.7	407.3	412.3
AUSTRIA	433.4	432.6	434.4	444.4	442.7	443.1
FINLAND	651.6	671.8	693.0	680.2	677.3	681.7
GREECE	182.4	187.0	187.3	189.4	184.3	183.7
NORWAY	456.9	457.4	471.0	466.9	456.5	462.8
PORTUGAL	68.4	72.5	75.5	70.4	70.7	80.0
SPAIN	154.1	154.6	159.2	161.8	156.0	162.3
SWEDEN	375.7	386.8	395.0	389.6	390.8	395.7
SWITZERLAND	521.7	530.6	542.7	548.6	556.7	556.7
EASTERN:						
CZECHOSLOVAKIA	363.4	358.0	351.1	356.6	358.2	366.5
GERMAN DEM REP	479.5	482.3	483.5	479.7	481.4	476.7
HUNGARY	186.9	182.2	176.7	194.9	205.2	210.6
POLAND	504.3	492.3	491.6	498.9	504.6	511.6
YUGOSLAVIA	167.0	172.7	179.7	187.3	192.4	199.8
SOVIET UNION	364.2	356.9	347.5	365.5	363.6	368.0
ASIA & AFRICA:						
CHINA, P. R.	6.5	6.6	6.7	6.6	6.6	4/
INDIA	39.7	39.4	39.1	38.5	38.7	4/
JAPAN	44.2	44.5	46.7	50.3	53.4	55.4
SOUTH AFRICA	107.2	94.4	94.7	93.5	82.0	83.9
OCEANIA:						
AUSTRALIA	521.5	494.1	470.7	430.6	382.8	397.9
NEW ZEALAND	1885.0	1924.8	2025.2	2067.0	1849.2	1878.4

1/ INCLUDES COWS MILK AND OTHER MILK. 2/ PRELIMINARY. 3/ FORECAST. 4/ UNAVAILABLE OR LESS THAN 500 GRAMS.

SOURCE: AGGREGATE DATA ARE PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENT, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U. S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION. PER CAPITA FIGURES ARE COMPUTED BY DIVIDING DISAPPEARANCE BY THE RESPECTIVE POPULATIONS.

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TABLE 14--LIQUID MILK: 1/ PER CAPITA FLUID DISAPPEARANCE IN SPECIFIED COUNTRIES, ANNUAL 1974-79
(In kilograms)

Continent and Country	1974	1975	1976	1977	1978 2/	1979 3/
NORTH AMERICA:						
CANADA	104.7	109.2	110.3	110.7	112.1	113.1
MEXICO	81.0	81.9	70.9	68.1	68.7	68.5
UNITED STATES	119.8	122.1	120.9	119.7	118.9	117.7
SOUTH AMERICA:						
ARGENTINA	123.8	66.6	60.0	60.8	59.9	59.2
BRAZIL	61.7	75.3	72.2	60.5	66.3	66.8
CHILE	32.0	30.8	31.2	26.0	24.7	23.8
PERU	6.1	6.0	5.9	5.7	5.7	5.7
VENEZUELA	27.0	27.1	26.4	10.2	10.1	9.9
EUROPE:						
WESTERN:						
EC:						
BEL-LUX	79.4	79.1	71.1	75.1	76.7	76.0
DENMARK	140.2	143.3	149.5	151.6	153.2	133.3
FRANCE	61.1	61.2	63.8	68.0	69.6	73.2
GERMANY, F. R.	62.1	59.1	58.7	56.5	57.0	56.8
IRELAND	201.6	201.0	190.4	194.7	192.8	191.1
ITALY	63.7	69.3	69.2	65.5	68.5	68.9
NETHERLANDS	145.9	143.9	144.0	137.7	131.7	127.4
UNITED KINGDOM	138.4	144.7	135.9	134.2	132.5	132.6
EC AVERAGE	87.1	88.9	87.2	86.2	86.7	87.0
EASTERN:						
AUSTRIA	153.4	154.3	150.7	144.9	144.2	143.7
FINLAND	281.2	291.5	287.3	281.5	280.9	281.7
GREECE	73.3	69.1	69.1	69.4	71.6	72.4
NORWAY	233.3	229.4	231.8	223.0	224.6	224.9
PORTUGAL	44.8	48.6	50.4	46.8	46.1	53.1
SPAIN	84.9	90.8	98.2	98.1	98.7	99.1
SWEDEN	155.5	160.4	160.6	156.1	155.8	154.0
SWITZERLAND	119.7	118.9	117.5	115.6	114.1	114.1
CZECHOSLOVAKIA	h/	66.5	80.8	91.8	81.8	83.8
HUNGARY	h/	h/	68.7	72.0	73.3	75.6
POLAND	102.7	105.8	107.7	135.2	135.6	135.0
YUGOSLAVIA	81.9	82.7	90.7	95.9	97.5	101.9
SOVIET UNION	h/	65.8	66.3	65.7	67.0	68.3
ASIA & AFRICA:						
INDIA	15.9	17.7	17.5	17.4	17.8	h/
JAPAN	27.0	28.1	29.4	31.2	32.1	32.6
SOUTH AFRICA	51.4	46.8	44.0	44.1	39.9	40.3
OCEANIA:						
AUSTRALIA	133.1	125.2	115.5	119.4	115.1	116.2
NEW ZEALAND	177.7	181.8	177.4	168.5	163.6	154.9

1/ EXCLUDES IDENTIFIED MANUFACTURING AND FEED USE. 2/ PRELIMINARY. 3/ FORECAST. 4/ UNAVAILABLE OR LESS THAN 500 GRAMS.

SOURCE: AGGREGATE DATA ARE PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U. S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS. RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION. PER CAPITA FIGURES ARE COMPUTED BY DIVIDING DISAPPEARANCE BY THE RESPECTIVE POPULATIONS.

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TABLE 15--BUTTER: 1/ PER CAPITA DOMESTIC DISAPPEARANCE IN SPECIFIED COUNTRIES, ANNUAL 1974-79
(In kilograms)

Continent and Country	1974	1975	1976	1977	1978 2/	1979 3/
NORTH AMERICA:						
CANADA	5.9	5.3	5.1	4.6	4.3	4.0
MEXICO	0.1	0.1	0.1	0.1	0.1	0.1
UNITED STATES	2.1	2.2	2.0	2.0	2.0	2.0
SOUTH AMERICA:						
ARGENTINA	1.3	1.3	1.2	1.0	1.0	1.0
BRAZIL	0.6	0.6	0.7	0.6	0.6	0.6
CHILE	1.2	1.0	1.0	0.9	0.9	1.0
PERU	1.1	1.1	1.1	0.9	0.8	0.7
VENEZUELA	0.5	0.6	0.5	0.5	0.5	0.5
EUROPE:						
WESTERN:						
EC:						
BEL-LUX	9.4	9.4	11.6	10.4	10.4	10.5
DENMARK	8.5	9.5	8.1	8.5	9.4	7.5
FRANCE	9.3	9.4	9.2	9.5	9.8	10.0
GERMANY, F. R.	7.2	6.7	6.4	6.6	6.7	6.8
IRELAND	13.3	11.8	12.7	12.2	12.4	12.3
ITALY	2.2	2.1	2.1	2.2	2.1	2.1
NETHERLANDS	1.8	3.1	2.3	2.9	2.9	2.8
UNITED KINGDOM	8.8	9.3	7.9	7.3	7.3	7.3
EC AVERAGE	6.8	6.9	6.5	6.5	6.5	6.6
AUSTRIA	5.8	6.0	6.1	5.7	5.7	5.9
FINLAND	12.8	13.2	12.9	12.2	11.1	11.4
GREECE	0.8	0.9	0.9	1.1	0.9	0.9
NORWAY	5.3	4.7	5.2	5.4	5.7	5.6
PORTUGAL	0.6	0.6	0.7	0.5	0.5	0.6
SPAIN	0.4	0.3	0.5	0.6	0.6	0.7
SWEDEN	5.9	5.6	5.3	6.4	6.3	6.2
SWITZERLAND	7.0	6.9	7.0	7.0	7.0	6.9
EASTERN:						
CZECHOSLOVAKIA	7.6	7.4	7.4	8.0	7.8	7.9
GERMAN DEM REP	16.8	16.9	17.2	16.7	16.8	16.6
HUNGARY	1.9	2.0	2.2	2.3	2.3	2.4
POLAND	6.8	7.4	7.7	8.1	8.3	8.5
YUGOSLAVIA	0.8	0.8	0.9	0.9	1.0	1.0
SOVIET UNION	5.0	4.8	5.5	6.0	5.6	5.9
ASIA & AFRICA:						
CHINA, P. R.	0.1	0.1	0.1	0.1	0.1	4/
INDIA	0.8	0.8	0.7	0.7	0.7	4/
JAPAN	0.5	0.5	0.5	0.5	0.5	0.5
SOUTH AFRICA	1.4	0.9	0.9	0.7	0.7	0.6
OCEANIA:						
AUSTRALIA	8.4	8.1	6.6	6.7	5.3	4.9
NEW ZEALAND	15.0	15.3	13.8	14.3	13.1	13.7

1/ INCLUDES ANHYDROUS MILKFAT AND BUTTEROIL AND GHEE. 2/ PRELIMINARY. 3/ FORECAST. 4/ UNAVAILABLE OR LESS THAN 500 GRAMS.

SOURCE: AGGREGATE DATA ARE PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U. S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION. PER CAPITA FIGURES ARE COMPUTED BY DIVIDING DISAPPEARANCE BY THE RESPECTIVE POPULATIONS.

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TABLE 16--CHEESE: 1/ PER CAPITA DOMESTIC DISAPPEARANCE IN SPECIFIED COUNTRIES, ANNUAL 1974-79
(In kilograms)

CONTINENT AND COUNTRY	1974	1975	1976	1977	1978 2/	1979 3/
NORTH AMERICA:						
CANADA	6.4	6.4	6.4	6.6	6.6	6.8
MEXICO	1.8	1.9	1.9	1.8	1.8	1.8
UNITED STATES	6.6	6.5	7.1	7.4	7.8	8.1
SOUTH AMERICA:						
ARGENTINA	8.3	8.3	8.5	8.4	8.6	8.6
BRAZIL	1.4	1.4	1.5	1.9	2.0	2.0
CHILE	1.2	1.0	1.1	1.4	1.3	1.2
PERU	1.9	1.9	1.9	1.8	1.7	1.5
VENEZUELA	2.1	2.5	2.4	2.3	2.8	2.6
EUROPE:						
WESTERN:						
EC:						
BEL-LUX	8.7	9.4	9.8	10.4	10.9	11.0
DENMARK	9.9	9.7	8.9	9.4	9.8	8.5
FRANCE	15.0	15.4	16.1	17.2	17.7	17.8
GERMANY, F. R.	10.8	11.2	11.7	12.1	12.4	12.8
IRELAND	1.6	2.9	2.5	2.8	2.8	2.8
ITALY	12.3	12.0	12.5	12.9	13.1	13.0
NETHERLANDS	11.4	11.8	11.6	12.5	12.8	13.1
UNITED KINGDOM	5.6	6.4	6.1	5.5	5.7	5.9
EC AVERAGE	10.7	11.0	11.3	11.7	12.0	12.1
AUSTRIA	4.5	4.8	5.2	5.1	5.2	5.3
FINLAND	5.5	5.9	6.1	5.9	6.1	7.2
GREECE	17.1	17.6	17.6	17.7	17.7	17.7
NORWAY	10.0	10.2	9.9	10.9	11.1	11.2
PORTUGAL	2.7	2.7	2.8	3.0	3.0	3.1
SPAIN	2.7	2.7	3.5	3.8	4.1	4.3
SWEDEN	10.4	11.4	11.9	12.1	12.1	12.3
SWITZERLAND	10.4	11.6	11.6	11.6	11.7	11.7
EASTERN:						
CZECHOSLOVAKIA	5.5	5.7	5.7	5.6	6.5	6.5
GERMAN DEM REP	11.1	11.3	12.0	11.2	11.4	11.3
HUNGARY	1.8	2.0	2.2	2.4	2.7	2.8
POLAND	9.1	8.5	9.6	9.7	9.7	10.0
YUGOSLAVIA	5.5	5.9	5.8	6.2	6.2	6.2
SOVIET UNION	2.3	2.2	2.5	2.5	2.7	2.8
ASIA & AFRICA:						
CHINA, P. R.	0.2	0.2	0.2	0.2	0.2	4/
INDIA	4/	4/	4/	4/	4/	4/
JAPAN	0.5	0.5	0.6	0.6	0.7	0.7
SOUTH AFRICA	1.1	1.0	1.1	1.1	1.1	1.1
OCEANIA:						
AUSTRALIA	4.9	4.7	5.0	5.2	6.1	6.3
NEW ZEALAND	4.7	4.9	0.0	5.6	7.3	7.2

1/ CURED CHEESE ONLY. 2/ PRELIMINARY 3/ FORECAST. 4/ UNAVAILABLE OR LESS THAN 500 GRAMS.

SOURCE: AGGREGATE DATA ARE PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U. S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS. RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION. PER CAPITA FIGURES ARE COMPUTED BY DIVIDING DISAPPEARANCE BY THE RESPECTIVE POPULATIONS.

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TABLE 17--NFDM: 1/ PER CAPITA DOMESTIC DISAPPEARANCE IN SPECIFIED COUNTRIES, ANNUAL 1974-79
(In kilograms)

Continent and Country	1974	1975	1976	1977	1978 2/	1979 3/
NORTH AMERICA:						
CANADA	2.6	2.5	2.8	3.4	2.3	2.0
MEXICO	1.0	1.0	1.1	1.1	1.1	1.0
UNITED STATES	1.9	1.5	1.6	1.6	1.6	1.5
SOUTH AMERICA:						
ARGENTINA	2.1	2.3	2.2	2.3	2.7	2.5
BRAZIL	1.3	1.3	1.4	1.8	1.4	1.6
CHILE	1.2	0.4	4.5	4.4	3.9	3.7
PERU	1.7	1.7	1.6	1.5	1.1	0.8
VENEZUELA	0.4	0.4	0.5	0.4	0.4	0.4
EUROPE:						
WESTERN:						
ECI						
BEL-LUX	5.2	4.5	11.3	11.4	10.4	11.4
DENMARK	6.5	5.3	11.6	7.3	7.5	6.7
FRANCE	8.5	7.4	12.1	11.5	11.2	10.9
GERMANY, F. R.	3.8	2.8	5.1	4.3	5.6	5.8
IRELAND	12.6	4.2	7.3	6.3	6.2	6.2
ITALY	3.2	2.8	3.6	3.4	4.0	3.5
NETHERLANDS	15.5	12.0	23.3	22.5	27.1	28.3
UNITED KINGDOM	1.2	1.4	1.3	1.3	1.5	2.3
EC AVERAGE	4.9	4.1	6.7	6.3	6.9	7.1
AUSTRIA	5.0	4.9	5.4	5.2	5.3	5.1
FINLAND	10.4	10.4	13.5	11.8	10.7	10.7
GREECE	0.1	0.2	0.2	0.2	0.2	0.2
NORWAY	2.0	2.7	2.2	2.0	2.7	2.4
PORTUGAL	0.8	0.9	1.3	1.5	1.3	1.3
SPAIN	0.9	0.8	1.5	2.7	3.3	3.2
SWEDEN	4.2	3.7	4.1	2.9	3.0	2.9
SWITZERLAND	4.0	3.4	3.9	4.1	4.7	3.7
EASTERN:						
HUNGARY	1.0	1/	1.5	1.5	1.5	1.5
POLAND	2.2	2.4	2.7	3.1	3.3	3.3
YUGOSLAVIA	0.4	0.5	0.6	0.7	0.7	0.7
SOVIET UNION	1.3	1.3	1.5	1.6	1.6	1.6
ASIA & AFRICA:						
INDIA	0.1	0.1	0.1	0.1	0.1	0.0
JAPAN	1.2	1.3	1.4	1.9	1.9	1.9
SOUTH AFRICA	1.0	0.7	0.5	0.7	0.8	0.7
OCEANIA:						
AUSTRALIA	5.7	3.6	3.4	2.8	3.4	3.6
NEW ZEALAND	10.0	4.9	6.1	7.2	5.2	3.0

1/ INCLUDES BOTH HUMAN AND ANIMAL FEED USE, EXCEPT FOR THE UNITED STATES, WHICH IS HUMAN USE ONLY. 2/ PRELIMINARY. 3/ FORECAST.
4/ UNAVAILABLE OR NEGLIGIBLE.

SOURCE: AGGREGATE DATA ARE PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U. S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS' OFFICERS, RESULTS OF OFFICE RESEARCH AND RELATED INFORMATION. PER CAPITA FIGURES ARE COMPUTED BY DIVIDING DISAPPEARANCE BY THE RESPECTIVE POPULATIONS.

OCTOBER 1979

DAIRY, LIVESTOCKS AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

**UNITED STATES DEPARTMENT OF AGRICULTURE
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FD 2-79
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NONFAT DRY MILK TOP U.S. DAIRY EXPORT, CHEESE LEADS IMPORT ADVANCE IN 1978

Summary

U.S. exports of dairy products in 1978 were valued at \$150 million, 15 percent lower than in 1977, and imports increased 20 percent from the 1977 level to about \$355 million. Nonfat dry milk (NFDM) was the leading domestic dairy product exported in 1978, while cheese accounted for most of the increase in dairy imports during the year.

Imports

The United States imported about \$355 million worth of dairy products during 1978—a 20 percent increase over the 1977 level and topped only by 1974 imports of \$362 million.

About 85 percent of the increase in total value for 1978 was the result of additional imports of cheese. In 1978, the United States imported almost 33 million pounds more cheese than in 1977. Much of this increased volume occurred in the last part of the calendar year as importers anticipated the expiration of the waiver authority and imposition of countervailing duties, which became effective January 4, 1979. Imports during the last 2 months of the year were 42 percent higher than in the comparable 1977 period. Cheese imports during the first months of 1979 were down as importers began working off excess inventories. As import activity increases during the year, total cheese imports by the end of 1979 are expected to approximate the 1978 level.

The 1978 cheese import advance was led by Swiss (Emmenthaler), a pricebreak cheese, which increased over 14 million pounds from the 1977 level. Import prices of Swiss increased from an average of \$1.26 per pound in 1977 to \$1.31 per pound in 1978. As a result of heavy buying during the last 2 months of 1978, importers were paying an

average of \$1.44 per pound for Swiss from all sources.

Casein imports declined in 1978 as the average yearly price increased 17 percent over the 1977 average. In response, importers in 1978 purchased about 9 percent less (about 53,000 tons). With worldwide production expected to decline and with a continued decline in world stocks, casein prices should remain firm through 1979. However, total imports will probably experience a slight decline in response to this price situation.

Exports

U.S. exports of dairy products totaled \$150 million in 1978. While this was a 15 percent decline in value from the 1977 level, it was still above the 1973-76 average.

Nonfat dry milk (NFDM) was by far the leading domestic dairy product exported in 1978. Even though the total value of NFDM exports in 1978 dropped 13 percent, the quantity exported increased 80 percent. This reflects not only continued worldwide demand for NFDM, but more significantly, continued worldwide abundance.

However, in the first quarter of 1979, NFDM stocks in the European Community (EC), which account for over half of the world's total, were at their lowest level in 4 years despite a 9 percent rise in production. EC subsidies on the use of NFDM for feed as well as record exports and high prices for competing proteins have resulted in falling stocks and upward price pressures.

Cheese exports increased 2 percent in quantity and 4 percent in value during 1978, paralleling the world market situation of increasing demand for cheese.

The demand for evaporated milk and cream recovered slightly in 1978, with exports reaching almost 15,000 tons. However, this quantity is still substantially below the

18,532 tons per year export average of 1970-76. Demand was spurred somewhat in 1978 by a relative decline in product prices over the past 2 years.

Exports of dried whole milk and cream declined in 1978

by almost 5,000 tons. Prices also dropped by approximately 8.5 percent compared with 1977 levels. In the past few years, overall export demand has dropped substantially, and now is only one-third of the 1970-76 level.

TABLE 1.--DAIRY PRODUCTS: U.S. EXPORTS BY COMMODITY, QUANTITY, AND VALUE,
AVERAGE 1971-75, ANNUAL 1976-78

COMMODITY	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1978 1/	5-YEAR AVG 1971-1975	1976	1977	1978 1/
DAIRY PRODUCTS								
MILK AND CREAM, FRESH.....	6,870	7,889	9,399	8,495	3,440	5,071	6,063	4,727
CONDENSED SWEETENED MILK....	5,110	2,141	2,408	1,454	3,094	1,723	1,583	907
EVAPORATED MILK.....	18,846	20,185	13,157	14,967	8,806	12,508	8,262	9,714
ORY WHOLE.....	17,253	14,098	10,579	0	7,788	9,080	7,782	0
NONFAT ORY MILK.....	69,873	45,285	57,397	103,121	49,604	50,034	84,046	72,959
INFANTS DIETARY SUPPLEMENTS..	9,707	9,104	9,406	3,616	15,849	21,635	20,185	9,808
MALTED MILK COMPOUNDS.....	510	247	190	0	544	336	352	0
BUTTER 3/.....	12,854	2/ 271	2/ 726	270	14,783	588	1,085	643
CHEESE, ALL TYPES.....	3,281	3,966	4,676	4,775	6,937	11,167	13,744	14,302
ORY CREAM.....	316	251	238	0	339	297	305	0
TOTAL ALL DAIRY EXPORTS...	157,089	103,607	107,132	134,698	125,459	112,862	144,015	113,061
Whole milk equivalent of total exports 4/.....	519,006	227,706	208,201	166,924	---	---	---	---

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.

1/ Preliminary. 2/ Revised. 3/ Includes butter equivalent of anhydrous milkfat, butter oil, and ghee. 4/ Milk equivalent fat solids basis.

TABLE 2.--EVAPORATED MILK: U.S. EXPORTS BY COUNTRY OF DESTINATION,
AVERAGE 1971-75, ANNUAL 1976-78

COMMODITY AND COUNTRY OF DESTINATION	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1978 1/	5-YEAR AVG 1971-1975	1976	1977	1978 1/
EVAPORATED MILK								
NORTH AMERICA:								
BAHAMAS.....	510	102	122	75	254	72	89	60
BERMUDA.....	18	5	12	4	10	6	9	4
CANADA.....	13	85	33	65	13	81	41	52
CAYMAN ISLANDS.....	0	107	106	78	0	87	90	58
GUATEMALA.....	3	1	3	1	1	1	2	1
HAITI.....	9	8	14	13	7	9	9	15
JAMAICA.....	111	6	0	0	68	5	0	0
LEEWARD-WINDWARD ISLANDS...	12	184	224	223	9	115	150	256
MEXICO.....	17,157	18,306	11,327	12,918	7,817	10,962	6,754	8,051
NETHERLANDS ANTILLES.....	14	115	111	22	11	154	258	10
NICARAGUA.....	30	27	4	23	16	21	3	20
PANAMA.....	298	0	9	3	184	0	5	4
OTHER.....	11	49	68	43	9	34	54	32
TOTAL.....	18,147	18,996	12,030	13,466	8,399	11,547	7,463	8,561
SOUTH AMERICA:								
BRAZIL.....	7	1	0	0	3	1	0	0
COLOMBIA.....	29	161	13	48	20	129	17	45
FRENCH GUIANA.....	2	0	0	4	1	0	0	2
PERU.....	5	1	0	0	3	2	0	0
VENEZUELA.....	5	13	7	6	3	10	8	7
OTHER.....	1	0	0	0	1	0	0	0
TOTAL.....	49	176	20	79	32	141	25	54
EUROPE:								
GERMANY.....	0	0	0	0	0	0	0	0
UNITED KINGDOM.....	4	0	3	0	4	0	2	0
TOTAL EC-9.....	4	0	3	0	4	0	2	0
SPAIN.....	107	23	13	29	17	16	10	19
SWEDEN.....	20	0	0	0	14	0	0	0
OTHER.....	0	0	1	4	0	0	1	3
TOTAL.....	132	23	18	33	35	16	13	22
AFRICA:								
GHANA.....	1	2	2	9	1	1	3	10
GUINEA.....	13	10	0	46	12	7	0	6
LIBERIA.....	8	1	0	0	6	1	0	0
LIBYA.....	3	1	41	47	4	1	37	47
SOUTH AFRICA, REPUBLIC OF...	12	0	0	0	9	0	0	0
OTHER.....	10	23	68	254	7	39	45	176
TOTAL.....	48	37	111	357	38	48	85	239
ASIA:								
CHINA, REPUBLIC OF (TAIWAN)...	3	0	2	0	3	0	3	1
INDIA.....	0	2	1	2	0	1	1	2
INDONESIA.....	9	144	53	12	6	118	49	12
IRAN.....	5	41	0	13	3	36	0	11
JAPAN.....	8	149	35	7	4	138	16	3
KUWAIT.....	3	0	0	1	2	0	0	1
LEBANON.....	4	0	0	0	4	0	0	0
PHILIPPINES.....	4	2	11	6	5	6	22	5
SAUDI ARABIA.....	1	1	1	7	1	2	1	8
UNITED ARAB EMIRATES.....	5	0	1	16	5	0	1	17
OTHER.....	5	0	11	29	4	0	9	42
TOTAL.....	44	339	115	88	39	301	101	102
OCEANIA:								
AUSTRALIA.....	11	0	32	5	4	0	36	6
TRUST TERRITORY PACIFIC IS...	410	613	724	921	257	454	535	714
WESTERN SAMOA.....	2	1	3	0	1	1	2	0
OTHER.....	0	0	4	19	0	0	4	17
TOTAL.....	424	614	764	946	263	454	576	736
GRAND TOTAL.....	18,846	20,185	13,057	14,967	8,806	12,508	8,262	9,714

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.

1/ Preliminary.

TABLE 3.--CONDENSED MILK: U.S. EXPORTS BY COUNTRY OF DESTINATION
AVERAGE 1971-75, ANNUAL 1976-78

COUNTRY OF DESTINATION	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1978	5-YEAR AVG 1971-1975	1976	1977	1978
CONDENSED MILK								
NORTH AMERICA:								
BAHAMAS.....	75	11	247	37	38	4	114	29
BERMUDA.....	1	5	0	0	1	4	0	0
CANADA.....	16	26	130	36	14	14	38	14
EL SALVADOR.....	2	0	0	0	1	0	0	0
GUATEMALA.....	8	0	0	0	4	0	0	0
HONDURAS.....	9	0	9	0	2	0	5	0
JAMAICA.....	10	0	0	0	8	0	0	0
MEXICO.....	292	1,530	1,539	776	158	1,040	936	390
NETHERLANDS ANTILLES.....	15	0	3	1	9	0	2	2
NICARAGUA.....	14	0	15	0	5	0	6	0
PANAMA.....	8	2	8	1	4	2	8	1
TRINIDAD-TOBAGO.....	4	0	0	0	1	1	0	0
OTHER.....	7	9	31	4	6	5	18	4
TOTAL.....	462	1,584	1,981	854	252	1,070	1,126	441
SOUTH AMERICA:								
ARGENTINA.....	3	0	0	0	1	0	0	0
BRAZIL.....	2	0	0	0	1	0	0	0
COLOMBIA.....	10	0	0	6	6	0	0	9
PERU.....	10	0	0	4	0	3	0	0
VENEZUELA.....	2	0	2	0	3	0	5	0
OTHER.....	0	0	0	1	0	0	0	2
TOTAL.....	27	4	2	7	17	3	5	11
EUROPE:								
DENMARK.....	2	0	0	0	1	0	0	0
GERMANY, FEDERAL REP. OF.....	0	64	51	145	0	106	48	87
UNITED KINGDOM.....	0	0	0	15	0	0	0	6
TOTAL EC-9.....	3	64	51	160	1	106	48	93
SPAIN.....	3	0	1	0	1	0	1	0
OTHER.....	0	2	0	4	0	1	0	2
TOTAL.....	6	66	52	164	3	108	49	94
AFRICA:								
GHANA.....	1	0	0	1	0	0	0	1
GUINEA.....	112	265	230	231	68	341	269	162
LIBERIA.....	2	0	0	2	1	0	0	1
SOUTH AFRICA, REPUBLIC OF.....	7	0	0	0	3	0	0	0
OTHER.....	1	20	28	1	0	41	31	1
TOTAL.....	122	285	258	236	73	382	300	166
ASIA:								
CHINA (TAIWAN).....	7	0	0	4	5	0	0	5
HONG KONG.....	18	0	30	40	10	0	32	47
INDONESIA.....	3	107	17	0	2	89	12	0
IRAN.....	20	0	0	0	14	0	0	0
JAPAN.....	4	4	0	2	9	7	0	5
KOREA, REPUBLIC OF.....	1	0	0	9	1	0	0	13
LAOS.....	115	0	0	0	44	0	0	0
MALAYSIA.....	8	0	2	2	5	0	4	4
PHILIPPINES.....	2	0	0	60	1	0	0	55
SAUDI ARABIA.....	8	38	0	38	5	26	0	36
SINGAPORE.....	7	3	0	0	5	4	0	1
SOUTH VIETNAM.....	4,277	0	0	0	2,634	0	0	0
THAILAND.....	9	4	0	0	4	5	0	0
OTHER.....	5	0	1	6	3	0	2	6
TOTAL.....	4,482	156	51	161	2,742	131	49	172
OCEANIA:								
TRUST TERRITORY PACIFIC IS.....	10	47	64	31	6	31	53	23
OTHER.....	1	0	1	0	1	0	1	0
TOTAL.....	11	47	65	31	7	31	54	23
GRAND TOTAL.....	5,110	2,141	2,408	1,454	3,094	1,723	1,583	907

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.

1/ Preliminary.

Source: U.S. Department of Commerce

June 1979

Commodity Programs, FAS, USDA

TABLE 4.--NONFAT DRY MILK: U.S. EXPORTS BY COUNTRY OF DESTINATION,
AVERAGE 1971-75, ANNUAL 1976-78

COUNTRY OF DESTINATION	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1978	5-YEAR AVG 1971-1975	1976	1977	1978
NONFAT DRY MILK								
NORTH AMERICA:								
BAHAMAS.....	36	12	9	32	24	20	13	24
BARBADOS.....	22	2	75	58	16	2	118	59
BELIZE.....	46	0	6	15	29	2	8	42
BERMUDA.....	27	34	14	27	32	60	12	13
CANADA.....	434	155	228	224	217	110	168	214
COSTA RICA.....	273	63	1,899	92	200	80	2,809	143
DOMINICAN REPUBLIC.....	1,840	929	745	133	1,235	1,172	887	35
EL SALVADOR.....	461	587	724	1,582	349	723	1,005	962
GUATEMALA.....	1,576	1,527	1,635	2,129	864	1,885	2,046	1,770
HAITI.....	314	947	1,648	3,067	234	1,160	2,475	2,781
HONDURAS.....	540	391	507	770	446	271	753	945
JAMAICA.....	629	25	0	272	480	58	0	97
LEEWARD-WINDWARD IS.....	169	6	18	3	101	7	17	8
MEXICO.....	9,402	677	174	18,798	3,796	332	101	7,906
NETHERLANDS ANTILLES.....	36	59	20	12	34	80	43	31
NICARAGUA.....	323	37	59	25	228	32	105	15
PANAMA.....	418	241	808	1,322	282	315	1,207	1,074
TRINIDAD-TOBAGO.....	52	10	0	1	22	18	0	2
OTHER.....	0	28	1	7	0	27	2	7
TOTAL.....	16,599	5,730	8,565	28,670	8,589	6,356	11,766	16,130
SOUTH AMERICA:								
BOLIVIA.....	621	1,066	1,375	1,465	514	1,345	2,019	1,467
BRAZIL.....	5,225	0	417	177	3,522	0	665	82
CHILE.....	2,130	8,084	6,161	463	1,412	3,516	9,287	119
COLOMBIA.....	4,270	922	0	7	2,929	1,159	0	9
ECUADOR.....	587	171	128	206	402	215	177	161
GUYANA.....	84	5	2	5	70	12	4	7
PARAGUAY.....	386	0	0	116	312	0	0	188
PERU.....	1,134	633	718	2,829	856	816	1,059	1,304
SURINAM.....	1	0	0	0	1	1	0	0
URUGUAY.....	184	1	0	0	119	1	0	0
VENEZUELA.....	786	8	32	36	275	5	21	65
OTHER.....	0	0	100	10	0	0	160	10
TOTAL.....	15,009	10,891	8,931	7,313	10,411	7,070	13,393	3,412
EUROPE:								
BELGIUM-LUXEMBOURG.....	29	0	1	0	25	0	5	0
DENMARK.....	11	10	7	7	13	20	7	14
FRANCE.....	13	0	0	0	7	0	0	0
GERMANY, FEDERAL REP. OF..	0	6	9	16	0	15	29	50
IRELAND.....	0	0	0	0	0	0	0	0
ITALY.....	94	0	0	0	17	0	0	0
NETHERLANDS.....	102	0	13	0	110	0	14	0
UNITED KINGDOM.....	111	15	9	6	117	39	23	15
TOTAL EC-9 2/.....	360	31	35	28	220	73	78	79
MALTA-RODO.....	8	0	0	0	7	0	0	0
NORWAY.....	7	0	0	0	2	0	0	0
PORTUGAL.....	87	0	0	0	55	0	0	0
SPAIN.....	107	0	0	0	71	0	0	0
SWEDEN.....	3	0	0	0	5	0	0	0
SWITZERLAND.....	170	44	16	0	47	152	65	0
OTHER.....	2	0	0	1	1	0	0	2
TOTAL.....	743	75	51	30	478	225	144	80
AFRICA:								
ALGERIA.....	598	0	3,224	43	766	0	4,962	651
BEVIN (DAHOMEY).....	55	14	91	0	43	138	142	0
BOTSWANA.....	144	0	27	0	132	0	39	0
BURUNDI.....	65	109	291	686	50	137	451	319
CAMEROON.....	44	124	379	387	34	184	382	269
CENT AFRICAN EMPIRE.....	17	0	0	0	19	0	0	0
CHAD.....	0	0	350	0	12	0	558	0
CONGO (BRAZZAVILLE).....	38	0	79	383	37	0	122	248
EGYPT.....	188	462	1,243	2,350	247	581	1,840	1,363
ETHIOPIA.....	99	263	181	0	93	338	268	0
GAMBIA.....	70	111	98	0	52	143	154	0
GHANA.....	402	1,179	676	136	315	1,550	1,009	96
GUINEA.....	34	0	0	0	23	0	0	0
IVORY COAST.....	101	0	0	52	72	0	0	18
KENYA.....	309	487	112	0	259	526	150	0
LESOTHO.....	370	799	492	1,493	265	1,051	719	1,190
LIBERIA.....	111	4	0	2	81	7	0	7
LIBYA.....	7	2	0	0	5	5	0	0
MALAGASY REPUBLIC.....	131	199	139	369	102	264	213	254
MALAWI.....	47	0	0	241	38	0	0	305
MALI.....	20	0	0	0	20	0	0	0
MAURITANIA.....	67	643	215	271	45	840	324	96
MAURITIUS AND DEP.....	198	0	0	0	141	0	0	0
MOROCCO.....	731	2,212	1,842	6,110	579	2,782	2,701	4,271
MOZAMBIQUE.....	138	228	228	2,958	146	4	368	3,039
NIGER.....	32	18	0	0	20	23	0	0
NIGERIA.....	294	0	0	0	204	0	64	0
SOUTH AFRICA, REPUBLIC OF..	217	0	0	175	169	0	108	131
RWANDA.....	134	201	97	502	99	260	127	482
SENEGAL.....	214	238	297	324	186	301	437	139
SEYCHELLES.....	17	0	0	0	12	0	0	0
SIERRA LEONE.....	327	521	0	0	239	667	0	0
SOMALIA.....	24	0	26	2,471	31	0	39	3,694
SUDAN.....	857	82	495	3,237	1,060	104	533	2,857
SWAZILAND.....	14	0	0	217	12	0	0	76
TANZANIA.....	539	1,360	848	0	404	1,751	1,400	0
TOGO.....	170	45	202	321	125	6	312	309
TUNISIA.....	750	583	409	895	514	713	603	644
UPPER VOLTA.....	304	996	2,248	7,304	248	1,153	3,297	7,646
ZAMBIA.....	365	0	16	289	267	0	6	114

See footnotes at end of table.

TABLE 4.--NONFAT DRY MILK: U.S. EXPORTS BY COUNTRY OF DESTINATION,
AVERAGE 1971-75 ANNUAL 1976-78 --CONTINUED

COUNTRY OF DESTINATION	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG				5-YEAR AVG			
	1971-1975	1976	1977	1978	1971-1975	1976	1977	1978
ZAMBIA.....	10	0	0	0	8	0	0	0
OTHER.....	11	231	461	2,893	8	292	551	173
TOTAL.....	8,319	10,975	14,875	34,469	7,182	13,819	21,879	28,392
ASIA:								
AFGHANISTAN.....	519	3	1	572	543	6	2	915
ARABIAN PENINSULA STS+NEC.	19	0	0	0	10	0	0	0
BANGLADESH.....	513	0	985	210	658	0	1,444	327
BURMA.....	241	0	0	0	155	0	0	0
CAMBODIA.....	279	0	0	0	241	0	0	0
CHINA (TAIWAN).....	193	11	6	114	138	19	12	67
GAZA STRIP.....	45	0	0	0	8	0	0	0
HONG KONG.....	69	24	27	34	65	41	65	76
INDIA.....	8,238	9,637	4,460	24,841	8,232	11,322	6,689	17,869
INDONESIA.....	1,639	1,103	2,453	3,400	1,220	1,007	3,720	1,316
IRAN.....	154	15	0	0	111	48	0	0
IRAQ.....	143	0	0	0	36	0	0	1
ISRAEL.....	189	114	45	347	98	133	70	445
JAPAN.....	2,347	53	48	16	999	44	70	40
JORDAN.....	141	55	293	670	135	73	463	1,037
KOREA REPUBLIC OF.....	2,549	0	1	2	1,765	0	3	6
KUWAIT.....	5	9	2	0	5	25	3	0
LAOS.....	147	0	0	0	111	0	0	0
LEBANON.....	244	33	594	1,240	153	29	1,334	1,821
MALAYSIA.....	216	1	0	0	127	2	0	0
MARSEI ISLANDS, NEC.....	335	0	0	0	239	0	0	0
NEPAL.....	25	230	397	278	18	308	626	98
PAKISTAN.....	956	6	225	63	888	13	349	7
PHILIPPINES.....	1,314	7,173	14,631	84	998	9,291	21,240	203
SAUDI ARABIA.....	14	13	0	27	17	20	0	30
SINGAPORE.....	91	0	0	5	62	0	0	8
SOUTH VIETNAM.....	4,526	0	0	0	3,251	0	0	0
SRI LANKA (CEYLON).....	713	0	0	0	483	0	0	0
SYRIAN ARAB REPUBLIC.....	20	0	322	408	8	0	486	144
THAILAND.....	355	10	7	12	182	19	13	26
TURKEY.....	2,632	0	75	161	1,812	0	121	247
UNITED ARAB EMIRATES.....	42	2	8	14	36	5	11	22
YEMEN (AOEN).....	54	0	0	0	28	0	0	0
YEMEN (SANA).....	57	56	57	0	48	73	84	0
OTHER.....	18	2	1	4	15	2	2	10
TOTAL.....	29,158	17,549	24,938	32,503	22,893	22,481	36,806	24,711
OCEANIA:								
NEW ZEALAND.....	0	53	0	0	0	67	0	0
TRUST TERRITORY PACIFIC IS	39	11	36	135	44	13	57	233
WESTERN SAMOA.....	2	0	0	0	2	1	0	0
OTHER.....	5	0	0	0	5	1	0	0
TOTAL.....	45	65	36	135	51	82	57	233
GRAND TOTAL.....	69,973	45,285	57,397	103,121	49,604	50,034	84,046	72,959

NOTE: TOTAL MAY NOT ADD DUE TO ROUNDING.

1/ Preliminary. 2/ Mostly subsequently reexported. 3/ Revised

Source: U.S. Department of Commerce

June 1979

Commodity Programs, FAS, USDA

TABLE 5.--DRY WHOLE MILK: U.S. EXPORTS BY COUNTRY OF DESTINATION,
AVERAGE 1971-75, ANNUAL 1976-78

COUNTRY OF DESTINATION	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1978 1/	5-YEAR AVG 1971-1975	1976	1977	1978 1/
DRY WHOLE MILK								
NORTH AMERICA								
BANAMAS.....	97	78	34	8	147	18	20	7
BARBADOS.....	2	0	2	1	3	0	3	2
BELIZE.....	2	2	1	0	3	10	5	0
BERMUDA.....	32	34	38	13	26	29	20	15
CANADA.....	421	663	752	224	174	387	362	262
COSTA RICA.....	60	16	13	8	23	26	34	27
DOMINICAN REPUBLIC.....	8	12	11	6	11	15	14	14
EL SALVADOR.....	126	109	144	2	38	32	63	6
GUATEMALA.....	105	56	38	67	54	23	49	85
HAITI.....	48	8	87	1	35	24	35	3
HONDURAS.....	53	19	16	10	54	53	68	31
JAMAICA.....	173	72	22	24	78	94	11	50
LEEWARD-WINDWARD IS.....	8	1	6	4	7	3	19	4
MEXICO.....	1,403	4,703	2,793	535	566	1,584	1,215	226
NETHERLANDS ANTILLES.....	6	16	2	40	7	23	5	40
NICARAGUA.....	54	146	82	49	26	83	26	26
PANAMA.....	58	99	62	1	24	50	30	4
TRINIDAD-TOBAGO.....	43	93	26	2	12	26	8	5
OTHER.....	0	4	0	0	0	6	7	5
TOTAL.....	2,659	6,089	4,131	998	1,287	2,490	1,994	813
SOUTH AMERICA								
ARGENTINA.....	379	439	379	226	276	348	341	232
BOLIVIA.....	243	0	104	0	233	0	89	1
BRAZIL.....	11	6	1	0	10	7	3	0
CHILE.....	42	62	83	4	16	48	73	20
COLOMBIA.....	159	393	640	302	97	327	544	281
ECUADOR.....	7	0	19	2	3	0	8	5
PERU.....	90	0	0	0	46	0	0	0
SURINAM.....	7	3	0	0	9	6	0	1
URUGUAY.....	1	0	0	2	1	0	0	10
VENEZUELA.....	314	411	459	40	220	372	461	60
OTHER.....	0	0	0	0	0	0	0	0
TOTAL.....	1,214	1,314	1,686	576	911	1,108	1,519	609
EUROPE								
BELGIUM-LUXEMBOURG.....	1	0	1	0	2	0	5	0
DENMARK.....	266	22	4	0	29	13	17	0
FRANCE.....	132	0	1	0	123	0	0	1
GERMANY, FEDERAL REP. OF.....	0	0	0	0	5	0	0	16
IRELAND.....	11	0	0	0	2	0	0	75
ITALY.....	6	3	0	0	3	9	1	1
NETHERLANDS.....	54	0	100	0	24	0	59	0
UNITED KINGDOM.....	194	22	0	44	129	18	0	70
TOTAL EC-9.....	645	49	106	119	312	45	85	163
AUSTRIA.....	143	2	0	1	22	2	0	2
GREECE.....	88	0	0	0	21	0	0	0
PORTUGAL.....	15	0	0	0	20	0	0	0
SPAIN.....	1,879	18	0	100	310	5	0	20
SWEDEN.....	1	0	0	0	0	0	0	0
YUGOSLAVIA.....	94	0	0	0	23	0	0	0
OTHER.....	2	0	0	0	2	0	0	0
TOTAL.....	2,446	70	106	220	710	51	85	185
AFRICA								
ANGOLA.....	37	0	6	0	59	0	11	0
BENIN (DANOMBEY).....	10	0	0	0	9	0	0	0
CANARY ISLANDS.....	2	0	0	0	1	0	0	0
ETHIOPIA.....	3	0	0	0	5	0	0	0
GUINEA.....	4	0	0	0	1	0	0	0
KENYA.....	0	0	0	0	0	0	0	0
LIBERIA.....	5	0	1	2	4	0	2	2
LIBYA.....	14	0	0	0	28	0	0	0
MOZAMBIQUE.....	16	6	6	0	25	10	10	0
NIGERIA.....	3	39	15	0	1	8	3	0
SOUTH AFRICA, REPUBLIC OF.....	147	62	51	234	96	61	480	262
SWAZILAND.....	23	0	0	0	22	0	0	0
OTHER.....	9	0	2	1	8	0	5	1
TOTAL.....	272	108	531	237	259	79	511	265
ASIA								
BURMA.....	1	0	0	0	1	0	0	0
CHINA (TAIWAN).....	1,170	431	58	629	322	253	28	1,184
HONG KONG.....	573	348	14	50	862	278	31	131
INDIA.....	1	1	0	5	1	2	0	7
INDONESIA.....	57	387	322	191	96	716	602	262
IRAN.....	113	34	0	39	219	50	2	99
ISRAEL.....	15	11	0	16	9	16	0	3
JAPAN.....	5,787	3,786	1,828	1,178	1,792	3,023	1,259	1,176
KOREA, REPUBLIC OF.....	47	201	146	11	25	62	106	17
KUWAIT.....	6	0	0	0	10	0	0	0
LEBANON.....	3	0	0	0	6	0	0	0
MALAYSIA.....	89	1	1	23	89	2	2	39
MANSEI ISLANDS, NEC.....	1	0	0	0	2	0	0	0
PAKISTAN.....	47	0	0	0	37	0	0	0
PHILIPPINES.....	1,014	829	1,069	945	435	469	1,049	1,045
SAUDI ARABIA.....	7	7	34	42	9	32	36	42
SINGAPORE.....	248	139	65	54	117	149	28	83
SOUTH VIETNAM.....	242	0	0	0	140	0	0	0
SYRIAN ARAB REPUBLIC.....	5	0	0	0	7	0	0	0
THAILAND.....	101	141	78	102	76	85	20	0
OTHER.....	8	0	1	12	12	0	3	112
TOTAL.....	9,533	6,316	3,626	3,267	4,272	5,128	3,165	4,201
OCEANIA								
AUSTRALIA.....	645	194	465	556	335	208	470	702
FRENCH PACIFIC ISLANDS.....	5	2	12	0	3	2	3	2
TRUST TERRITORY PACIFIC IS.....	10	5	18	14	11	13	32	35
OTHER.....	0	0	3	9	0	0	2	24
TOTAL.....	649	201	499	580	350	223	508	762
GRAND TOTAL.....	17,253	14,098	10,579	5,877	7,788	9,080	7,782	6,836

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.
1/ Preliminary.

Source: U.S. Department of Commerce
June 1979

Commodity Programs, FAS, USDA

TABLE 6.--MALTED MILK COMPOUNDS AND INFANTS' DIETARY SUPPLEMENTS: U.S. EXPORTS BY COUNTRY OF DESTINATION

AVERAGE 1971-75, ANNUAL 1976-78

COUNTRY OF DESTINATION	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1978 ^{1/}	5-YEAR AVG 1971-1975	1976	1977	1978 ^{1/}
MALTED MILK & INFANTS' FOODS								
NORTH AMERICA:								
BAHAMAS.....	57	65	76	20	88	170	207	32
BARBADOS.....	17	0	4	8	31	0	8	26
BELIZE.....	19	1	1	2	33	2	2	5
BERMUDA.....	76	46	48	3	44	64	76	34
CANADA.....	570	1,533	2,208	304	593	2,277	2,927	778
COSTA RICA.....	64	73	23	34	136	238	65	108
DOMINICAN REPUBLIC.....	293	296	214	66	511	606	281	205
EL SALVADOR.....	61	81	29	48	143	274	96	104
GUATEMALA.....	79	49	42	54	171	136	131	115
HAITI.....	39	37	41	11	76	80	88	28
HONDURAS.....	70	48	29	15	137	139	84	47
JAMAICA.....	423	411	95	18	590	950	192	46
MEXICO.....	43	67	7	211	38	58	8	170
NETHERLANDS ANTILLES.....	35	19	29	18	68	69	69	61
NICARAGUA.....	59	36	29	42	129	106	95	137
PANAMA.....	274	281	192	104	286	563	309	207
TRINIDAD-TOBAGO.....	27	24	11	1	41	50	29	2
OTHER.....	4	16	12	23	7	44	35	61
TOTAL.....	2,172	3,063	3,077	1,004	3,124	5,807	4,702	2,167
SOUTH AMERICA:								
BOLIVIA.....	33	58	50	27	71	182	157	69
BRAZIL.....	14	15	0	0	35	66	0	0
CHILE.....	4	11	38	59	5	22	76	122
COLOMBIA.....	25	2	2	3	18	5	4	11
ECUADOR.....	78	42	108	56	153	136	333	230
GUYANA.....	16	4	17	19	27	8	58	69
PERU.....	872	363	810	271	1,673	888	1,936	687
SURINAM.....	34	23	48	42	71	72	160	143
URUGUAY.....	58	28	41	55	95	83	119	162
VENEZUELA.....	28	0	21	271	43	0	38	814
OTHER.....	1	0	0	0	3	3	3	3
TOTAL.....	1,163	545	1,136	804	2,195	1,464	2,885	2,309
EUROPE:								
BELGIUM-LUXEMBOURG.....	21	14	1	12	36	44	4	70
DENMARK.....	3	0	0	0	5	0	0	0
FRANCE.....	36	28	33	22	41	75	119	82
GERMANY, FEDERAL REP. OF.....	11	15	10	7	31	66	22	17
IRELAND.....	24	8	7	8	60	51	30	62
ITALY.....	1	1	3	27	2	4	19	126
NETHERLANDS.....	3	3	11	11	4	11	58	12
UNITED KINGDOM.....	29	47	83	14	35	95	208	71
TOTAL EC-9.....	138	117	149	111	214	347	440	448
CZECHOSLOVAKIA.....	7	3	9	0	36	30	91	0
GREECE.....	15	1	1	0	25	1	9	0
MALTA-GOZO.....	10	0	1	5	14	1	4	18
NORWAY.....	2	0	0	7	9	0	0	14
POLAND.....	13	32	32	22	44	184	175	111
SWEDEN.....	9	5	6	7	12	20	33	39
OTHER.....	7	13	23	13	19	85	125	74
TOTAL.....	209	170	221	155	374	667	896	694
AFRICA:								
EGYPT.....	229	187	181	0	377	441	429	0
ETHIOPIA.....	60	0	1	0	85	0	3	0
GHANA.....	10	0	0	0	11	53	7	0
KENYA.....	9	1	0	0	19	4	0	0
LIBERIA.....	13	17	8	4	22	38	11	8
LIBYA.....	133	36	1	0	274	50	1	0
MOROCCO.....	0	57	0	0	0	148	0	0
MOZAMBIQUE.....	13	5	0	0	41	19	0	0
NIGERIA.....	134	73	29	6	231	152	57	2
SOUTH AFRICA, REPUBLIC OF.....	49	16	1	2	80	54	2	12
SIERRA LEONE.....	6	1	0	0	11	2	0	0
SUDAN.....	31	12	0	0	44	26	0	0
TANZANIA.....	4	0	114	83	0	0	332	250
UGANDA.....	0	0	0	0	0	0	0	0
ZAMBIA.....	20	0	0	0	46	0	0	0
ZAIRE.....	0	0	0	0	1	625	4	0
OTHER.....	0	222	3	0	0	0	0	0
TOTAL.....	709	666	339	95	1,251	1,611	840	272
ASIA:								
ARABIA PENINSULA STS.NEC.....	4	0	0	0	8	0	0	0
BANGLADESH.....	1	62	0	0	1	153	0	0
CHINA (TAIWAN).....	1,392	2,140	1,616	812	2,390	5,803	5,355	2,348
CYPRUS.....	18	0	2	2	25	1	7	7
HONG KONG.....	646	1,011	1,028	481	1,029	2,791	2,901	1,190
INDONESIA.....	66	6	18	0	77	13	41	0
IRAN.....	325	17	166	83	719	29	533	254
ISRAEL.....	10	6	19	26	37	40	122	125
JAPAN.....	125	5	137	4	84	7	229	12
JORDAN.....	31	13	0	0	56	35	0	0
KOREA, REPUBLIC OF.....	8	0	2	3	14	0	4	5
KUWAIT.....	56	34	9	1	108	76	46	8
LAOS.....	8	0	0	0	3	0	0	0
LEBANON.....	30	0	0	0	64	0	0	3
MALAYSIA.....	198	17	1	0	390	55	2	2
PHILIPPINES.....	1,235	180	66	44	1,188	400	172	135
SAUDI ARABIA.....	69	99	15	15	156	260	22	22
SINGAPORE.....	180	4	11	0	352	6	15	2
SOUTH VIETNAM.....	838	0	0	0	1,492	0	0	0
SYRIAN ARAB REPUBLIC.....	27	67	66	1	41	217	211	8
THAILAND.....	925	673	407	0	1,010	1,807	1,073	1
UNITED ARAB EMIRATES.....	8	48	24	3	19	139	103	24
OTHER.....	15	25	24	4	33	103	58	27
TOTAL.....	5,857	4,408	3,617	1,479	9,299	11,933	10,900	4,173
OCEANIA:								
AUSTRALIA.....	67	438	163	5	83	335	198	82
FRENCH PACIFIC ISLANDS.....	4	0	1	0	5	0	2	0
TRUST TERRITORY PACIFIC IS.....	48	78	34	26	60	146	99	96
OTHER.....	1	1	14	4	3	7	14	13
TOTAL.....	120	517	212	35	151	488	313	191
GRAND TOTAL.....	10,222	9,350	8,595	3,616	16,394	21,971	20,536	9,808

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.

1/ Preliminary

Source: U.S. Department of Commerce

June 1979

Commodity Programs, FAS, USDA

TABLE 7.--BUTTER 1/: U.S. EXPORTS BY COUNTRY OF DESTINATION
AVERAGE 1971-75, ANNUAL 1976-78

COUNTRY OF DESTINATION	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1978 ^{2/}	5-YEAR AVG 1971-1975	1976	1977	1978 ^{2/}
BUTTER								
NORTH AMERICA:								
BAHAMAS.....	84	29	65	43	137	72	110	97
BARBADOS.....	0	0	3	2	0	0	3	3
BELIZE.....	0	10	14	7	0	13	17	5
BERMUDA.....	2	2	1	2	4	6	3	4
CANADA.....	1,340	9	34	13	1,635	17	65	41
COSTA RICA.....	7	0	0	0	9	0	0	0
DOMINICAN REPUBLIC.....	2	1	3	4	3	5	10	14
HAITI.....	1	0	0	0	1	0	0	0
HONDURAS.....	36	37	0	1	76	121	0	1
JAMAICA.....	50	0	0	1	73	0	0	3
LEEWARD-WINDWARD IS.....	2	1	4	7	4	3	12	21
MEXICO.....	49	63	74	57	87	114	86	105
NETHERLANDS ANTILLES.....	9	24	18	9	14	34	34	20
PANAMA.....	1	0	4	0	2	0	11	0
TRINIDAD-TOBAGO.....	0	0	1	0	0	0	2	18
OTHER.....	1	27	12	0	2	39	21	1
TOTAL.....	1,624	204	194	154	2,048	425	373	330
SOUTH AMERICA:								
VENEZUELA.....	0	0	35	0	0	0	92	0
OTHER.....	22	0	17	0	24	0	18	0
TOTAL.....	22	0	52	0	24	0	110	0
EUROPE:								
BELGIUM-LUXEMBOURG.....	135	0	0	0	162	0	0	0
GERMANY, FEDERAL REP. OF..	20	0	0	0	26	0	0	0
ITALY.....	0	0	0	0	0	0	0	0
NETHERLANDS.....	79	0	0	0	94	0	0	0
UNITED KINGDOM.....	8,576	0	0	1	9,690	0	0	1
TOTAL EC-9.....	8,811	0	0	1	9,973	0	0	1
POLAND.....	434	0	0	0	730	0	0	0
OTHER.....	919	0	0	0	976	0	0	0
TOTAL.....	10,364	0	0	1	11,678	0	0	1
AFRICA:								
GUINEA.....	2	9	5	6	4	22	9	12
LIBERIA.....	1	0	0	0	1	0	0	0
LIBYA.....	0	0	0	0	0	0	0	0
OTHER.....	12	2	0	1	14	7	2	3
TOTAL.....	15	12	5	7	19	28	11	16
ASIA:								
HONG KONG.....	0	0	21	0	0	0	117	0
JAPAN.....	110	0	0	0	120	0	0	0
KOREA-REPUBLIC OF.....	261	1	0	1	347	4	0	3
PHILIPPINES.....	1	3	1	0	3	6	2	0
SAUDI ARABIA.....	0	0	0	0	0	0	0	0
SOUTH VIETNAM.....	2	0	21	9	3	0	51	19
OTHER.....	207	0	0	0	1	0	0	0
TOTAL.....	583	4	43	11	709	11	171	24
OCEANIA:								
AUSTRALIA.....	0	0	0	0	0	0	0	0
FRENCH PACIFIC ISLANDS....	0	0	0	0	0	0	0	0
TRUST TERRITORY PACIFIC IS	22	8	0	97	38	20	6	272
OTHER.....	0	1	0	0	0	5	0	0
TOTAL.....	22	10	0	97	38	25	6	272
GRAND TOTAL.....	12,630	230	297	270	14,521	489	671	643

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.

1/ Includes butter equivalent of anhydrous milkfat, butter oil, and ghee. Preliminary.

Source: U.S. Department of Commerce

June 1979

Commodity Programs, FAS, USDA

TABLE 8.--CHEESE: U.S. EXPORTS BY COUNTRY OF DESTINATION.

AVERAGE 1971-75, ANNUAL 1976-78

COUNTRY OF DESTINATION	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1978	5-YEAR AVG 1971-1975	1976	1977	1978
CHEESE								
NORTH AMERICA								
BAHAMAS.....	258	300	264	365	458	720	697	926
BARBADOS.....	17	26	34	32	39	73	98	96
BELIZE.....	10	22	21	19	18	52	49	49
BERMUDA.....	118	138	139	166	252	383	402	463
CANADA.....	1,029	1,017	1,686	1,306	2,302	3,088	5,139	4,089
COSTA RICA.....	7	7	16	0	19	22	47	2
DOMINICAN REPUBLIC.....	22	78	81	87	43	214	252	277
EL SALVADOR.....	3	0	0	3	5	0	0	16
GUATEMALA.....	5	6	15	13	11	19	38	31
HAITI.....	30	50	62	65	58	120	156	170
HONDURAS.....	6	6	33	20	15	21	83	53
JAMAICA.....	131	88	46	40	253	223	118	118
MEXICO.....	90	254	137	261	162	467	257	483
NETHERLANDS ANTILLES.....	61	115	148	193	139	326	467	548
NICARAGUA.....	6	9	14	9	15	32	40	23
PANAMA.....	431	539	624	376	811	1,450	1,661	1,017
TRINIDAD-TOBAGO.....	31	31	34	104	72	93	126	336
OTHER.....	16	32	37	66	33	81	111	150
TOTAL.....	2,269	2,717	3,391	3,123	4,703	7,383	9,740	8,848
SOUTH AMERICA								
BOLIVIA.....	0	0	0	1	0	0	0	1
BRAZIL.....	0	1	0	0	0	3	0	0
CHILE.....	0	0	6	27	0	0	14	67
COLOMBIA.....	1	13	8	40	3	18	15	126
ECUADOR.....	0	0	0	0	0	0	0	2
GUYANA.....	0	0	0	0	0	0	0	0
PERU.....	3	4	1	4	6	12	3	13
SURINAM.....	1	0	1	1	2	2	2	2
VENEZUELA.....	133	228	224	188	339	641	677	526
OTHER.....	1	4	0	0	1	7	0	0
TOTAL.....	140	251	239	261	352	684	712	737
EUROPE								
BELGIUM-LUXEMBOURG.....	8	0	0	17	18	0	0	26
DENMARK.....	7	1	17	1	8	1	53	2
FRANCE.....	6	0	0	0	15	0	0	0
GERMANY, FEDERAL REP. OF.....	8	2	5	6	15	4	12	12
IRELAND.....	3	0	0	0	3	0	0	0
ITALY.....	13	9	21	0	28	26	44	1
NETHERLANDS.....	9	6	0	0	12	15	0	1
UNITED KINGDOM.....	23	7	0	2	37	11	1	3
TOTAL EC-9.....	76	26	43	26	135	57	110	45
GREECE.....	51	9	21	24	84	27	52	62
NORWAY.....	5	12	7	4	8	27	17	9
POLAND.....	3	0	0	0	3	0	0	0
SWEDEN.....	44	55	3	1	94	232	11	5
OTHER.....	8	5	1	3	15	10	3	10
TOTAL.....	187	106	76	57	339	354	192	131
AFRICA								
EGYPT.....	0	0	3	0	0	0	5	0
GHANA.....	1	4	6	1	3	10	18	3
LIBERIA.....	64	23	18	19	56	70	53	53
LIBYA.....	3	0	0	0	5	0	0	1
NIGERIA.....	1	0	0	2	1	0	0	3
SOUTH AFRICA, REPUBLIC OF.....	20	22	1	3	42	67	2	11
SIERRA LEONE.....	0	1	0	0	0	4	0	0
ZAIRE.....	0	0	1	2	0	0	3	9
OTHER.....	5	18	15	14	8	41	34	39
TOTAL.....	94	68	44	41	116	192	114	120
ASIA								
ARABIA PENINSULA STATES.....	1	0	0	0	1	0	0	0
BAHAGLADASH.....	0	0	0	1	0	0	0	6
CHINA (TAIWAN).....	6	10	13	19	16	35	42	72
CYPRUS.....	0	0	0	0	1	0	0	0
HONG KONG.....	22	48	71	115	50	148	208	343
INDONESIA.....	2	7	15	10	5	26	43	36
IRAN.....	23	3	56	34	58	11	140	122
ISRAEL.....	0	0	0	0	0	0	0	1
JAPAN.....	351	496	449	726	892	1,597	1,746	2,668
JORDAN.....	0	0	0	1	1	0	0	2
KOREA, REPUBLIC OF.....	14	13	31	38	34	41	92	123
KUWAIT.....	0	9	10	3	11	28	38	12
LADS.....	0	0	0	0	1	0	0	0
LEBANON.....	19	0	0	0	42	0	0	0
MALAYSIA.....	4	0	1	0	7	2	3	1
PHILIPPINES.....	15	6	2	15	33	16	6	39
SAUDI ARABIA.....	39	91	103	105	94	261	277	311
SINGAPORE.....	23	39	36	47	47	104	109	151
SOUTH VIETNAM.....	4	0	0	0	6	0	0	0
THAILAND.....	4	8	11	20	9	24	34	59
UNITED ARAB EMIRATES.....	8	15	10	30	21	44	35	94
OTHER.....	22	21	16	50	38	60	44	201
TOTAL.....	562	768	863	1,215	1,366	2,398	2,818	4,242
OCEANIA								
AUSTRALIA.....	6	15	14	20	15	53	54	77
FRENCH PACIFIC ISLANDS.....	7	13	13	11	14	39	38	32
TRUST TERRITORY PACIFIC IS.....	16	26	36	44	29	59	74	108
OTHER.....	1	2	0	3	2	6	0	7
TOTAL.....	30	56	63	78	60	157	166	224
GRAND TOTAL.....	3,281	3,966	4,676	4,775	6,937	11,167	13,744	14,302

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.
1/ Preliminary.

Source: U.S. Department of Commerce

June 1979

Commodity Programs, FAS, USDA

TABLE 9.--DAIRY PRODUCTS: U.S. IMPORTS BY COMMODITY, QUANTITY AND VALUE,
AVERAGE 1971-75, ANNUAL 1976-78

COMMODITY	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1/1978	5-YEAR AVG 1971-1975	1976	1977	1/1978
DAIRY PRODUCTS								
MILK AND CREAM, FRESH.....	7,683	6,050	5,889	7,126	3,732	3,980	4,864	5,680
CANNED MILK.....	950	303	368	402	463	292	327	534
BUTTERMILK, DRY.....	194	202	81	217	161	256	82	261
NONFAT DRY MILK.....	35,184	820	828	1,083	27,177	510	454	583
DRY WHOLE MILK.....	3	4	1	37	3	6	2	24
MALTED MILK COMPOUNDS.....	6	1	4	0	5	2	11	1
BUTTER.....	5,196	255	117	334	6,495	415	505	587
BUTTER FAT MIXTURES.....	921	1,267	1,085	1,355	723	1,290	961	1,503
CASEIN.....	44,952	50,867	65,429	62,204	47,533	53,240	69,448	77,150
LACTOSE.....	1,031	575	1,810	1,411	544	648	1,314	1,166
CHEESE								
SWISS.....	19,776	27,640	27,019	31,421	32,605	46,723	68,475	89,614
GRUYERE.....	6,122	6,999	6,931	8,589	9,376	13,124	12,990	18,004
ROMANO.....	1,494	2,088	1,886	1,603	1,944	2,848	3,190	3,333
PECORINO.....	8,195	7,571	7,178	9,203	16,041	21,208	21,387	26,512
REGGIANO AND PARMESANO.....	1,591	2,537	2,145	2,162	2,806	4,676	5,737	6,332
PROVOLONE AND PROVOLLETTE.....	1,175	1,031	1,025	913	3,307	3,949	3,404	3,913
ROQUEFORT.....	832	708	735	667	3,013	3,581	3,763	3,799
CHEDDAR.....	14,199	3,622	4,235	4,880	20,167	5,723	7,022	7,920
BLUE MOLD.....	2,221	2,095	1,521	2,499	3,883	5,433	3,858	6,949
EDAM AND GOUDA.....	4,575	4,093	4,232	5,298	7,640	10,922	11,393	13,922
COLBY.....	243	27	11	0	233	48	15	0
OTHER CHEESES.....	33,937	35,592	38,091	40,644	47,118	68,817	73,470 x	87,157
TOTAL CHEESE.....	94,362	94,002	95,009	109,978	148,132	207,052	216,706	267,455
TOTAL ALL DAIRY IMPORTS.....	190,480	154,344	170,841	184,047	234,971	267,692	294,674	354,903

Whole milk equivalent of
total imports 3/
Thousands of metric tons 1,043
Thousands of metric tons 907
Thousands of metric tons 881
Thousands of metric tons 1,043

1/ Preliminary. 2/ Revised. 3/ Milk equivalent fat solids basis. Includes ice cream and chocolate crumb.

TABLE 10.--NONFAT DRY MILK, BUTTER, AND CHEESE: U.S. IMPORTS BY COUNTRY OF ORIGIN

AVERAGE 1971-1975, ANNUAL 1976-78

COUNTRY OF ORIGIN	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1/ 1978	5-YEAR AVG 1971-1975	1976	1977	1/ 1978
NONFAT DRY MILK								
BELGIUM-LUXEMBOURG.....	4,191	0	0	0	2,652	0	0	0
DENMARK.....	444	0	0	0	361	0	0	0
FRANCE.....	4,667	0	0	0	3,530	0	0	0
GERMANY, FEDERAL REP. OF.....	147	0	0	0	138	0	0	0
IRELAND.....	2,698	0	0	0	1,928	0	0	0
NETHERLANDS.....	3,975	0	0	0	2,965	0	0	0
UNITED KINGDOM.....	1,239	0	0	0	951	0	0	0
TOTAL EC-9.....	17,360	0	0	0	12,925	0	0	0
AUSTRALIA.....	4,279	600	510	568	3,215	238	204	250
CANADA.....	9,107	219	318	516	7,680	272	250	293
NEW ZEALAND.....	3,794	0	0	0	3,237	0	0	0
SWEDEN.....	644	0	0	0	539	0	0	0
OTHER.....	0	0	0	0	0	0	0	0
TOTAL.....	35,184	820	828	1,083	27,177	510	454	543
BUTTER								
BELGIUM-LUXEMBOURG.....	0	0	0	0	0	0	0	0
DENMARK.....	252	20	18	19	278	96	95	111
FRANCE.....	257	0	0	0	326	0	0	1
GERMANY, FEDERAL REP. OF.....	90	0	0	0	80	0	0	0
IRELAND.....	1,325	0	0	0	1,744	0	0	0
ITALY.....	0	0	27	0	0	0	9	0
NETHERLANDS.....	440	0	0	0	362	0	0	0
TOTAL EC-9.....	2,362	20	45	19	2,790	96	104	112
ARGENTINA.....	12	69	133	46	11	67	132	48
FINLAND.....	2	4	9	3	2	3	8	2
NEW ZEALAND.....	2,742	162	149	236	3,613	248	260	386
SWEDEN.....	77	0	0	25	78	0	0	34
OTHER.....	1	0	0	4	2	0	1	4
TOTAL.....	5,196	255	317	334	6,495	415	505	587
CHEESE								
BELGIUM-LUXEMBOURG.....	410	18	18	58	461	43	45	109
DENMARK.....	18,558	13,672	11,024	11,812	24,875	30,181	26,568	32,927
FRANCE.....	6,554	5,278	5,295	5,719	14,707	18,347	18,462	21,286
GERMANY, FEDERAL REP. OF.....	3,816	2,314	1,969	2,381	5,123	4,653	3,957	5,343
IRELAND.....	1,999	161	96	66	2,718	365	211	197
ITALY.....	7,067	6,693	5,956	4,993	17,553	22,771	24,028	25,733
NETHERLANDS.....	4,630	4,209	3,949	4,595	7,974	11,502	11,364	13,861
UNITED KINGDOM.....	1,405	574	376	573	1,956	1,274	912	1,621
TOTAL EC-9.....	44,389	32,918	28,683	32,197	75,369	89,136	85,546	101,077
ARGENTINA.....	3,318	5,066	4,358	3,665	4,562	7,141	7,689	7,957
AUSTRALIA.....	2,782	2,472	3,821	4,571	3,176	3,121	4,653	6,246
AUSTRIA.....	6,273	8,085	8,263	11,258	9,126	16,487	17,144	24,927
AZORES.....	1	65	87	78	7	154	243	242
BELIZE.....	3	0	0	0	0	0	0	0
BRAZIL.....	58	0	0	0	70	0	0	0
BULGARIA.....	476	441	186	639	525	889	378	1,152
CANADA.....	2,463	1,648	1,389	1,642	4,415	3,940	3,602	4,296
CYPRUS.....	16	36	83	33	30	99	249	103
CZECHOSLOVAKIA.....	189	262	235	237	119	246	264	261
DOMINICAN REPUBLIC.....	18	37	71	119	31	87	179	303
EL SALVADOR.....	43	66	49	36	87	192	151	110
FINLAND.....	6,014	9,942	11,049	13,480	8,318	19,382	22,408	28,097
GREECE.....	1,290	450	817	508	1,909	1,072	2,106	1,463
HUNGARY.....	214	121	238	571	214	185	343	879
ICELAND.....	399	326	680	1,593	351	401	950	2,457
ISRAEL.....	142	374	602	734	195	589	778	1,184
JAMAICA.....	0	0	0	0	0	0	0	0
LEBANON.....	16	0	0	0	28	0	0	0
NEW ZEALAND.....	12,916	12,539	15,832	17,247	16,906	17,056	21,608	24,725
NORWAY.....	4,119	8,487	7,532	8,830	7,119	22,067	22,366	27,118
OTHER PACIFIC ISLANDS, NEC.....	3	0	0	0	4	0	0	0
POLAND.....	1,050	1,120	1,094	1,295	1,047	1,486	1,447	2,030
PORTUGAL.....	216	433	629	630	397	831	1,164	1,255
ROMANIA.....	850	1,140	1,361	1,934	745	1,781	2,303	3,821
SWEDEN.....	1,183	1,388	1,273	1,339	1,331	2,780	2,961	3,290
SWITZERLAND.....	5,707	6,210	5,847	6,778	11,744	17,241	16,789	23,581
TURKEY.....	1	14	0	0	1	30	0	0
YUGOSLAVIA.....	197	324	300	276	283	549	577	454
OTHER.....	12	39	517	192	21	107	788	397
TOTAL.....	94,362	94,002	95,009	109,878	148,132	207,052	216,706	267,455

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.

1/ Preliminary.

Source: U.S. Department of Commerce

June 1979

Commodity Programs, FAS, USDA

TABLE 11. CHEESE: U.S. IMPORTS BY TYPE AND COUNTRY

AVERAGE 1971-75, ANNUAL 1976-78

COUNTRY OF ORIGIN	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	4-YEAR AVG 1971-1975	1976	1977	1978	5-YEAR AVG 1971-1975	1976	1977	1978
CHEDDAR:								
BELGIUM-LUXEMBOURG.....	145	0	0	0	173	0	0	0
DENMARK.....	27	0	0	0	36	0	0	0
FRANCE.....	373	0	0	0	446	0	0	0
GERMANY, FEDERAL REP. OF..	96	0	0	0	124	0	0	0
IRELAND.....	1,523	0	34	10	2,201	0	71	33
NETHERLANDS.....	237	5	26	3	325	13	76	128
UNITED KINGDOM.....	543	1	16	44	921	2	39	171
TOTAL EC-9.....	3,062	6	75	58	4,227	16	185	171
AUSTRALIA.....	686	1,033	1,303	2,219	849	1,227	1,726	1,726
AUSTRIA.....	32	19	11	76	38	24	13	92
CANADA.....	1,067	483	327	334	2,194	1,304	1,118	1,105
NORWAY.....	59	0	0	0	91	0	0	0
POLAND.....	13	0	0	0	19	0	0	0
NEW ZEALAND.....	8,088	2,428	2,789	3,122	11,341	3,530	4,479	4,815
SWEDEN.....	43	0	0	0	38	0	0	0
OTHER.....	0	0	0	0	0	0	0	12
TOTAL.....	14,199	3,622	4,235	4,980	20,167	5,723	7,022	7,920
SWISS:								
BELGIUM-LUXEMBOURG.....	10	10	0	51	17	23	0	88
DENMARK.....	2,841	2,258	1,605	2,040	4,383	5,389	4,171	5,705
FRANCE.....	998	698	568	612	1,757	1,800	1,502	1,651
GERMANY, FEDERAL REP. OF..	2,107	1,729	1,533	1,864	2,981	3,330	2,842	3,891
IRELAND.....	83	78	0	0	124	186	1	1
ITALY.....	0	0	0	0	0	0	0	0
NETHERLANDS.....	120	97	131	451	169	244	317	1,021
UNITED KINGDOM.....	4	5	9	0	6	13	20	1
TOTAL EC-9.....	5,183	4,875	3,847	5,018	9,436	10,995	8,852	12,358
ARGENTINA.....	2	169	234	0	246	352	22	22
AUSTRALIA.....	2	15	172	192	2	34	287	372
AUSTRIA.....	5,980	7,160	7,408	9,835	8,721	14,618	15,486	22,251
CANADA.....	10	0	0	21	18	0	0	29
FINLAND.....	5,467	9,167	1,145	17,189	7,799	18,395	21,406	26,621
HUNGARY.....	73	18	57	416	24	90	639	639
ICELAND.....	70	32	199	617	124	65	253	1,312
ISRAEL.....	49	0	15	0	65	0	15	0
NORWAY.....	3,436	7,906	7,105	8,183	6,172	20,934	21,333	25,562
OTHER PACIFIC ISLANDS, NEC	3	0	0	0	4	0	0	0
PORTUGAL.....	54	273	272	206	57	368	374	282
SWEDEN.....	31	35	42	77	53	82	103	258
SWITZERLAND.....	4,542	4,978	4,495	5,180	9,478	14,077	12,915	17,813
OTHER.....	6	11	0	67	7	19	0	99
TOTAL.....	25,898	34,639	33,950	42,010	41,981	79,847	81,465	107,618
PECORINO:								
DENMARK.....	7	14	3	6	12	34	8	18
FRANCE.....	0	0	0	0	0	0	0	0
GERMANY, FEDERAL REP. OF..	0	0	0	18	0	0	1	21
ITALY.....	5,219	5,061	4,252	5,494	12,382	15,604	17,433	18,835
NETHERLANDS.....	2	0	0	0	4	0	0	0
UNITED KINGDOM.....	2	0	0	0	2	0	0	0
TOTAL EC-9.....	5,231	5,075	4,255	5,518	12,401	15,638	17,442	18,874
AUSTRALIA.....	10	0	0	36	15	0	0	69
AUSTRIA.....	476	441	186	639	525	889	378	1,152
CANADA.....	1	1	0	0	1	1	0	0
CYPRUS.....	16	36	51	33	30	99	158	103
CZECHOSLOVAKIA.....	12	15	25	15	7	21	44	23
GREECE.....	1,270	450	813	508	1,873	1,072	2,092	1,463
HUNGARY.....	118	72	135	176	128	119	210	162
JAMAICA.....	0	0	0	0	0	0	0	0
NEW ZEALAND.....	0	23	0	0	0	33	0	0
PORTUGAL.....	10	10	12	21	29	33	55	54
ROMANIA.....	850	1,140	1,361	1,867	745	1,781	2,303	3,722
TURKEY.....	1	0	0	0	1	0	0	0
YUGOSLAVIA.....	197	307	300	272	283	518	577	447
OTHER.....	2	1	4	188	3	4	128	444
TOTAL.....	8,195	7,571	7,178	9,203	16,041	21,208	23,387	26,512
ROQUEFORT:								
FRANCE.....	828	708	735	667	3,008	3,581	3,763	3,799
NETHERLANDS.....	0	0	0	0	1	0	0	0
UNITED KINGDOM.....	0	0	0	0	0	0	0	0
TOTAL EC-9.....	828	708	735	667	3,009	3,581	3,763	3,799
CANADA.....	3	0	0	0	2	0	0	0
SWITZERLAND.....	1	0	0	0	2	0	0	0
OTHER.....	0	0	0	0	0	0	0	0
TOTAL.....	832	708	735	667	3,013	3,581	3,763	3,799
ROMANO:								
ITALY.....	3	0	3	19	4	0	11	70
NETHERLANDS.....	0	0	0	7	0	0	0	22
TOTAL EC-9.....	3	0	3	26	4	0	11	92
ARGENTINA.....	1,492	2,086	1,443	1,576	1,940	2,846	3,179	3,241
OTHER.....	0	1	0	0	0	2	0	26
TOTAL.....	1,494	2,088	1,446	1,603	1,944	2,848	3,190	3,333
REGGIANO AND PARMESANO:								
DENMARK.....	4	0	0	0	4	0	0	0
ITALY.....	398	335	421	292	1,268	1,432	2,455	2,065
NETHERLANDS.....	0	0	0	0	0	0	0	0
TOTAL EC-9.....	402	335	421	292	1,272	1,432	2,455	2,065
ARGENTINA.....	1,198	2,202	1,724	1,858	1,532	3,284	3,282	4,241
OTHER.....	1	0	0	11	0	0	0	26
TOTAL.....	1,591	2,537	2,145	2,162	2,804	4,676	5,737	6,332

See footnotes at end of table.

TABLE 11.--CHEESE: U.S. IMPORTS BY TYPE AND COUNTRY,
AVERAGE 1971-75, ANNUAL 1976-78 (CONTINUED)

COUNTRY OF ORIGIN	Q U A N T I T Y (IN METRIC TONS)				V A L U E (IN THOUSANDS OF DOLLARS)			
	5-YEAR AVG 1971-1975	1976	1977	1978	5-YEAR AVG 1971-1975	1976	1977	1978
EQAM AND GOUQAI								
BELGIUM-LUXEMBOURG.....	1	0	0	0	2	0	0	0
DENMARK.....	126	40	26	26	176	97	65	70
FRANCE.....	2	0	2	0	3	0	5	0
GERMANY, FEDERAL REP. OF..	131	74	1	18	154	150	2	20
IRELAND.....	55	0	0	0	69	0	0	0
NETHERLANDS.....	3,957	3,663	3,642	3,931	6,910	10,256	10,591	12,239
UNITED KINGDOM.....	1	0	3	3	1	0	4	6
TOTAL EC-9.....	4,273	3,777	3,694	3,978	7,314	10,502	10,668	12,335
ARGENTINA.....	65	121	127	132	105	170	212	263
AUSTRIA.....	5	0	0	94	5	0	0	121
FINLAND.....	32	20	165	727	27	20	155	689
NORWAY.....	141	141	26	125	146	165	32	148
PORTUGAL.....	5	4	188	209	8	10	263	297
SWEDEN.....	33	30	31	30	34	54	62	66
OTHER.....	1	1	0	2	1	1	1	2
TOTAL.....	4,575	4,093	4,232	5,298	7,640	10,922	11,393	13,922
BLUE MOLOI								
BELGIUM-LUXEMBOURG.....	0	0	0	0	0	0	0	0
DENMARK.....	2,091	1,967	1,369	2,290	3,596	5,057	3,403	6,272
FRANCE.....	2	7	11	17	5	19	34	40
GERMANY, FEDERAL REP. OF..	10	1	6	5	20	1	16	15
ITALY.....	48	41	38	47	106	132	131	162
NETHERLANDS.....	3	0	0	0	8	0	0	0
UNITED KINGDOM.....	52	69	87	113	113	203	250	430
TOTAL EC-9.....	2,196	2,085	1,511	2,487	3,848	5,412	3,834	6,920
NORWAY.....	20	7	5	7	27	15	12	17
SWEDEN.....	5	2	4	5	7	3	10	12
OTHER.....	0	2	1	0	0	3	3	0
TOTAL.....	2,221	2,095	1,521	2,499	3,883	5,433	3,858	6,942
PROVOLONI AND PROVOLETTEI								
ITALY.....	1,173	1,027	1,021	909	3,304	3,942	3,398	3,904
TOTAL EC-9.....	1,173	1,027	1,021	909	3,304	3,942	3,398	3,904
AUSTRALIA.....	0	0	0	0	1	0	0	0
OTHER.....	2	4	4	4	2	7	7	9
TOTAL.....	1,175	1,031	1,025	913	3,307	3,949	3,404	3,913
COLBYI								
BELGIUM-LUXEMBOURG.....	28	0	0	0	23	0	0	0
DENMARK.....	5	0	0	0	5	0	0	0
GERMANY, FEDERAL REP. OF..	0	0	0	0	0	0	0	0
IRELAND.....	160	20	0	0	158	39	0	0
NETHERLANDS.....	0	0	0	0	0	0	0	0
UNITED KINGDOM.....	1	0	0	0	1	0	0	0
TOTAL EC-9.....	194	20	0	0	188	39	0	0
AUSTRIA.....	1	7	11	0	1	9	15	0
NEW ZEALAND.....	0	0	0	0	0	0	0	0
SWEDEN.....	48	0	0	0	44	0	0	0
OTHER.....	0	0	0	0	0	0	0	0
TOTAL.....	243	27	11	0	233	48	15	0
OTHER CHEESES:								
BELGIUM-LUXEMBOURG.....	226	8	18	7	246	20	45	21
DENMARK.....	13,448	9,393	8,022	7,449	16,664	19,605	18,920	20,862
FRANCE.....	4,301	3,866	3,980	4,429	9,488	12,946	13,158	15,796
GERMANY, FEDERAL REP. OF..	1,471	511	429	476	1,844	1,172	1,096	1,395
IRELAND.....	178	62	63	55	166	141	140	162
ITALY.....	227	229	220	232	489	661	600	697
NETHERLANDS.....	312	443	130	204	557	989	381	570
UNITED KINGDOM.....	683	499	260	392	911	1,056	599	1,057
TOTAL EC-9.....	20,844	15,012	13,121	13,263	30,366	36,590	34,938	40,550
ARGENTINA.....	569	481	386	84	980	625	654	176
AUSTRALIA.....	935	1,769	2,616	3,029	939	2,236	3,140	4,053
AUSTRIA.....	255	900	832	1,253	361	1,836	1,630	2,462
BRAZIL.....	57	0	9	0	69	0	20	0
CANADA.....	1,382	1,164	1,062	1,286	2,200	2,635	2,484	3,162
CZECHOSLOVAKIA.....	177	247	210	222	113	224	220	258
DOMINICAN REPUBLIC.....	18	37	71	119	31	87	179	303
EL SALVADOR.....	43	66	49	36	87	192	151	110
FINLAND.....	515	755	699	564	501	967	845	788
GREECE.....	19	0	4	0	36	0	13	0
HUNGARY.....	33	30	36	49	34	41	43	78
ICELAND.....	328	294	554	976	226	336	658	1,145
ISRAEL.....	93	374	587	552	129	589	763	761
JAPAN.....	3	0	0	0	4	0	0	0
LEBANON.....	16	0	0	0	28	0	0	0
NEW ZEALAND.....	4,829	10,088	13,043	14,145	5,565	13,493	17,130	19,911
NORWAY.....	443	433	396	515	683	954	990	1,390
POLAND.....	1,034	1,108	1,094	1,292	1,025	1,467	1,447	2,028
PORTUGAL.....	147	146	156	193	303	419	473	652
SWEDEN.....	1,023	1,320	1,196	1,227	1,153	2,642	2,786	2,955
SWITZERLAND.....	1,163	1,233	1,349	1,598	2,261	3,164	3,866	5,768
OTHER.....	12	134	622	263	23	320	1,040	620
TOTAL.....	33,937	35,592	38,091	40,644	47,118	68,917	73,470	87,157

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.

1/ Preliminary. 2/ Includes Emmentaler with eye-formation and Gruyere process cheese.

Source: U.S. Department of Commerce

June 1979

Commodity Programs, FAS, USDA

TABLE 12.--CASEIN: U.S. IMPORTS BY COUNTRY OF ORIGIN,
AVERAGE 1971-75, Annual 1967-78

COUNTRY OF ORIGIN	Q U A N T I T Y (IN METRIC TONS)			V A L U E (IN THOUSANDS OF DOLLARS)				
	5-YEAR AVG 1971-1975	1976	1977	1978	5-YEAR AVG 1971-1975	1976	1977	1/
CASEIN								
BELGIUM-LUXEMBOURG.....	14	0	0	30	16	0	0	47
DENMARK.....	308	357	0	35	396	417	0	57
FRANCE.....	5,013	80	44	25	6,191	98	49	35
GERMANY, FEDERAL REP. OF.....	1,489	524	204	99	1,856	666	260	128
IRELAND.....	2,899	1,506	1,950	4,168	3,474	1,493	2,514	5,984
ITALY.....	0	0	0	0	0	1	0	0
NETHERLANDS.....	1,191	499	282	688	1,762	855	431	1,108
UNITED KINGDOM.....	732	123	757	1,359	814	187	979	2,026
TOTAL EC-9.....	11,646	3,089	3,237	4,404	14,509	3,717	4,232	9,455
ARGENTINA.....	4,522	4,594	3,164	1,365	4,647	3,824	2,842	1,965
AUSTRALIA.....	10,090	15,149	10,510	10,629	9,362	16,021	11,535	13,995
AUSTRIA.....	26	0	25	0	25	0	26	0
BRAZIL.....	77	151	0	0	89	126	0	0
BULGARIA.....	12	0	0	0	8	0	0	0
CANADA.....	1,156	225	112	666	1,698	391	165	804
DOMINICAN REPUBLIC.....	3	0	0	0	2	0	0	0
JAPAN.....	4	0	0	0	5	1	0	0
NEW ZEALAND.....	13,353	22,939	43,694	38,222	13,028	24,664	46,289	45,433
NORWAY.....	207	196	404	914	234	192	380	1,088
POLAND.....	2,815	1,280	1,951	1,954	2,840	1,215	1,832	2,034
PORTUGAL.....	15	0	0	0	19	0	0	0
REP SOUTH AFRICA.....	2	0	0	0	2	0	0	0
SOVIET UNION.....	702	877	1,957	2,039	794	732	1,701	2,362
SWEDEN.....	12	0	0	0	14	0	0	0
SWITZERLAND.....	31	0	0	0	37	0	0	0
SYRIA.....	10	0	0	0	8	0	0	0
THAILAND.....	39	0	0	0	15	0	0	0
TRINIDAD-TOBAGO.....	4	0	0	0	5	0	0	0
URUGUAY.....	220	105	280	0	184	82	235	0
OTHER.....	5,049	5,046	3,943	2,291	5,184	4,224	3,667	3,056
TOTAL.....	48,192	50,187	65,429	62,204	47,533	53,240	69,448	77,150

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.
1/ Preliminary.

Source: U.S. Department of Commerce

June 1979

Commodity Programs, FAS, USDA

**UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250**

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WORLD MILK OUTPUT UP IN 1979— BUTTER STOCKS BUILD, NFDM HOLDINGS DROP SHARPLY

Summary

Worldwide milk production continued to rise during 1978, reaching 402 million metric tons for the 36 principal countries—a 1.2 percent increase over 1977's 397 million tons. In 1979, growth is expected to surpass 2 percent. Most of the growth in 1978 milk production occurred in the European Community (EC), as most other major producers—i.e., the United States, Canada, Australia, and New Zealand—sustained declines in milk output. Expansion also occurred in the USSR and Eastern Europe. All major producers are expected to experience varying degrees of expansion in output for 1979.

Butter production in 1978 was up slightly—0.8 percent over the 1977 level—and is expected to increase by 2.2 percent in 1979. Butter stocks continue to increase sharply—up over 31 percent in 1978 to 926,000 tons, with the EC holding more than half the world's total.

Cheese production continued to expand in 1978, reaching 8.3 million tons compared with 8 million tons in 1977—almost a 4 percent increase. Further growth of over 4.3 percent is expected in 1979 as countries place increased emphasis on cheese manufacture.

Production of nonfat dry milk (NFDM) in 1978 was up almost 4 percent but the burdensome stocks of the past few years are sharply declining. In 1978, stocks decreased 12 percent and in 1979 are expected to drop almost 14 percent. A large part of this decrease is attributable to the numerous disposal programs sponsored by the EC, which holds over half of the world's NFDM inventory.

World production of casein leveled off in 1978 at 169,000 tons and is expected to drop in 1979 to 164,000 tons. Stocks, which continued to decline, have dropped over 15 percent since 1976 to 72,000 tons in 1978. The trend is expected to continue in 1979, when a sharp drop of about 33 percent is anticipated.

Milk

EC milk production increased 3.2 percent in 1978, despite efforts to restrict milk supplies by reducing milk cow numbers. Cows in milk were down only 0.4 percent (106,000 head), with a slight increase forecast for 1979. Production in France—EC's largest producer—dropped marginally, mostly because of unfavorable forage conditions. Contrary to declared EC policy, production in Ireland continued to expand and was up over 11 percent in 1978, largely as a result of better feeding and improving breeding and management. In 1979, all countries should experience growth in production and the total EC output is expected to increase 1.6 percent.

In 1978, non-EC West European nations experienced a 0.5 percent drop in milk deliveries. In Austria and Switzerland production quota systems are in force. Production in Austria dropped in 1978 and is expected to be stable in 1979. In Switzerland, where a modification of the quota in May 1978 triggered higher milk production, milk for commercial use could surpass the 2.9-million-ton quota and reach 2.93 million tons by October 1979.

To reduce the disparity between farm and nonfarm income, the Swiss Farmers' Union and the Central Union of Swiss Milk Producers have requested an increase in the quota to 2.95 million tons as well as an increase in the basic milk price from the equivalent of about 44 U.S. cents per kilogram to about 46 cents per kilogram, effective May 1, 1979. The Government is expected to make some concessions, despite concern for disposition of fresh milk and products.

In Australia, milk production was down 10 percent in 1978. A basic reason for this contraction is the continuing rationalization of the dairy industry by selective underwriting of prescribed dairy products with the objective of bringing production into line with

remunerative markets. However, total milk production in 1979 may advance by as much as 5 percent, helped along by greatly improved seasonal conditions.

As a result of drought that left pasture and cattle in poor condition, production in **New Zealand** for 1977/78 (June-May) was down 8.5 percent. However, favorable weather conditions at the beginning of the 1978/79 year brought improved pastures. If continued, New Zealand should see an output increase of almost 4 percent.

In **Canada**, milk output in 1978 at 7.6 million tons was down 2.3 percent as dairymen responded to Government-administered producer quotas designed to encourage a move toward lower production. Milk supplies in the **United States** were also down in 1978 as decreases in cow numbers more than offset gains in yield.

Eastern Europe registered an increase of 1.9 percent in milk production, with further acceleration expected for 1979. In Hungary, increased yield per cow, concurrent with the Government's successful plan to increase milk cow numbers, resulted in a significant 6 percent increase in milk output.

In the **USSR**—the world's largest producer—milk output was up only slightly. Per cow productivity was down even though supplies of grains and roughages apparently were adequate. However, productivity in 1979 is forecast to be up 2.1 percent as cow numbers increase and Government measures to induce better yields take effect.

Butter

Canadian butter production continued its downward trend in 1978, dropping about 13,000 tons or 11.8 percent. Reduced milk supplies, coupled with increased consumption of fluid milk, resulted in reduced availability of milk for butter production. This trend is expected to continue in 1979.

U.S. butter production also dropped in 1978. This decline—about 40,000 tons—reflects a stronger demand for cheese, which pulled milk from butter-powder operations. While cheese consumption gained over 6 percent, butter production gained only 3 percent. Production is expected to continue falling in 1979; however, consumption should continue to increase, resulting in somewhat lower stocks by the end of the year.

EC production of butter, responding to increased milk output, rose 156,000 tons in 1978—an 8.7 percent increase. In 1977, EC production accounted for 29.8 percent of world output. With increased 1978 production, EC output accounted for 32.1 percent of world production. EC stocks, after declining in 1977, increased 47 percent in 1978. With surplus disposal a major concern, EC exports of butter to non-EC destinations amounted to 244,000 tons. The EC will most likely take further steps this year to alleviate the stocks problem.

Australia and **New Zealand** registered declines in butter production in 1978, dropping 6,000 and 44,000 tons, respectively. In Australia, the Government is encouraging manufacturers to move out of butter production and into

manufacture of other dairy products, including butter-type items. In New Zealand, output of butter declined as milk was diverted into cheese manufacture, a situation paralleling that in the United States and Canada.

Cheese

Cheese production continues to spiral upward, encouraged by increasing world demand. Even though world production has increased yearly, consumption in the past 3 years has outdistanced production. World stocks are decreasing, and in 1978 were reduced by 4.4 percent with an anticipated 1979 reduction of 2.3 percent. In 1978, production and consumption were up 3.9 and 4.2 percent, respectively, and further increases are forecast for 1979.

In the **EC**, production was 2.6 percent higher than in 1977. Because of poor export prospects most of this output was sold internally as consumption increased 2.8 percent, bringing per capita consumption to about 12 kilograms. The semihard cheese market was especially hard hit by declining prices, and the **Netherlands**, which produces about 50 percent of the total output, has tried to cut back production.

Cheese output in **New Zealand** for 1977/78 contracted 3.7 percent, largely because of an unfavorable market situation. Despite the virtual elimination of New Zealand from the EC market, production for May 1979 was forecast to increase 14 percent, encouraged by optimism concerning the likely acquisition of new markets outside of the EC and the United States. Also domestic consumption of cheese has increased 33 percent in 2 years, largely because of promotion by the Dairy Board.

In **Australia**, cheese production is expected to be up 13 percent to 1.3 million tons as manufacturers shift milk supplies to cheese, where returns have been higher on both the domestic and export markets.

In North America, **Canadian** stocks of cheese have been stable as increases in production and consumption balance out. However, in the United States, stocks have declined and further declines in 1979 are anticipated. These stock reductions, despite several years of increased production, can be partially attributed to consumer substitution of cheese as a protein source in times of high meat prices. Also, the rate of increase in the price of cheese has been less rapid than for other foods.

Nonfat Dry Milk

High world stocks of NFDM have been decreasing dramatically over the past 3 years. In 1978, stocks were almost 30 percent lower than the high recorded in 1976, and in 1979 another drop of 14 percent is expected. These significant reductions are largely a result of various surplus disposal efforts by the **EC**, which holds over half the world stocks. Despite increasing production—concurrent with decreasing human use—EC stocks are at their lowest levels since 1974. Increased subsidies on NFDM for animal feed were an essential means of keeping stocks down.

In 1978, production of skim milk powder—along with all dairy products—was down in **New Zealand** because of decreased milk supplies. Also, there has been a continuing shift toward increased production of whole milk powder, and casein is becoming an important market.

In **Australia**, Phase II of the marketing arrangements to encourage lower production in the dairy industry has worked to cut back on skim powder output, resulting in carryover stocks of only 8,000 tons.

In North America, **Canada** and the **United States** have both cut back significantly on NFDM production, with a resulting drop in stocks. Further declines are expected in output and stocks for 1979 as milk supplies continue to be diverted to cheese manufacture.

As a result of increased milk supplies, **Japan** has increased output of NFDM. However, sluggish demand has resulted in abnormally large stocks and the price of NFDM has been about 90 percent of the standard price. This trend of high stocks and low demand is expected to continue through 1979.

Casein

EC casein production increased 7,000 tons in 1978. While exports to non-EC destinations amounted to 36,000 tons, EC consumption dropped 4,000 tons. In **France**, casein production increased at the expense of skim milk powder production, and in **Ireland** production increased 4,000 tons in conjunction with increased sales to the United States.

While 1977/78 casein production in **New Zealand** fell 1,000 tons and exports fell 6,000 tons, demand for casein from New Zealand remains good. Exports in 1978/79 are expected to reach 80,000 tons, up 20,000 tons from the 1977/78 level. The main markets are the United States, Japan, and the EC.

Information in this circular was prepared by the Dairy, Livestock, & Poultry Division, Commodity Programs, FAS/USDA. Further information may be obtained by contacting Bryant Wadsworth, (202) 447-5270.

TABLE 1 --- MILK: PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1970-74
(In thousands of metric tons)

ANNUAL 1975-79

REGION AND COUNTRY	AVERAGE 1970/74	1975	1976	1977 1/	1978 2/	1979 3/
NORTH AMERICA:						
CANADA.....	7,935	7,744	7,685	7,743	7,567	7,600
MEXICO.....	5,986	6,619	6,350	6,375	6,600	6,800
UNITED STATES.....	53,213	52,312	54,554	55,655	55,306	55,790
TOTAL.....	67,134	66,675	68,589	69,773	69,473	70,190
SOUTH AMERICA:						
ARGENTINA.....	5,202	5,646	5,625	5,303	5,300	5,300
BRAZIL.....	7,502	10,003	10,508	10,783	11,970	12,450
CHILE.....	1,005	956	1,022	1,003	900	1,050
PERU.....	610	634	640	630	635	645
VENEZUELA.....	1,013	1,187	1,157	1,206	1,237	1,274
TOTAL.....	15,332	18,426	18,952	18,925	20,042	20,719
EUROPE:						
BELGIUM-LUXEMBOURG.....	3,894	3,869	3,843	3,872	4,050	4,000
DENMARK.....	4,704	4,918	5,045	5,139	5,350	5,500
FRANCE.....	29,598	30,910	30,801	31,478	31,450	31,700
GERMANY, FEDERAL REP OF.....	21,457	21,604	22,165	22,523	23,300	23,500
IRELAND.....	3,365	3,689	3,959	4,262	4,735	5,097
ITALY.....	9,975	10,032	10,233	10,515	10,740	10,860
NETHERLANDS.....	8,970	10,221	10,490	10,612	11,315	11,500
UNITED KINGDOM.....	13,431	13,520	13,500	14,300	15,000	15,500
TOTAL EC.....	95,394	98,763	100,036	102,701	105,940	107,657
AUSTRIA.....	3,311	3,253	3,277	3,333	3,316	3,315
FINLAND.....	3,229	3,164	3,278	3,231	3,231	3,238
GREECE.....	1,477	1,692	1,704	1,733	1,696	1,700
NORWAY.....	1,794	1,834	1,898	1,891	1,858	1,893
PORTUGAL.....	593	671	707	674	691	798
SPAIN.....	5,100	5,504	5,726	5,878	5,725	6,020
SWEDEN.....	2,972	3,168	3,247	3,249	3,298	3,379
SWITZERLAND.....	3,251	3,396	3,473	3,511	3,563	3,563
TOTAL WESTERN EUROPE.....	117,122	121,445	123,346	126,201	129,318	131,563
CZECHOSLOVAKIA.....	5,014	5,298	5,238	5,363	5,430	5,600
GERMAN DEMOCRATIC REP.....	7,631	8,127	8,118	8,025	8,025	8,025
HUNGARY.....	1,834	1,920	1,873	2,078	2,200	2,270
POLAND.....	16,096	16,749	16,893	17,313	17,680	18,130
YUGOSLAVIA.....	3,004	3,688	3,874	4,078	4,230	4,433
TOTAL EASTERN EUROPE.....	33,580	35,782	35,996	36,857	37,565	38,458
TOTAL EUROPE.....	150,701	157,227	159,342	163,058	166,883	170,021
SOVIET UNION.....	85,896	90,800	89,200	94,665	95,000	97,000
AFRICA:						
SOUTH AFRICA.....	2,814	2,407	2,475	2,503	2,251	2,350
ASIA:						
CHINA, PEOPLES REP.....	4,743	5,416	5,619	5,682	5,751	5,825
INDIA.....	22,808	24,000	24,300	24,400	25,000	25,700
JAPAN.....	4,859	4,961	5,262	5,737	6,150	6,450
TOTAL.....	32,410	34,377	35,181	35,819	36,901	37,975
OCEANIA:						
AUSTRALIA 4/.....	7,335	6,670	6,421	5,933	5,329	5,595
NEW ZEALAND 5/.....	5,985	5,909	6,359	6,635	6,069	6,304
TOTAL.....	13,320	12,579	12,780	12,568	11,398	11,899
GRAND TOTAL.....	367,608	382,491	386,519	397,311	401,948	410,154

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.

1/ REVISED. 2/ PRELIMINARY. 3/ FORECAST. 4/ YEAR ENDING JUNE 30. 5/ YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION.

APRIL 1979

DAIRY, LIVESTOCK, AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 2 ---BUTTER: PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1970-74, ANNUAL 1975-79
(In thousands of metric tons)

REGION AND COUNTRY	AVERAGE 1970/74	1975	1976	1977 ^{1/}	1978 ^{2/}	1979 ^{3/}
NORTH AMERICA:						
CANADA.....	127	129	114	113	100	90
MEXICO.....	7	8	8	8	8	8
UNITED STATES.....	478	465	444	493	453	455
TOTAL.....	612	592	566	614	561	553
SOUTH AMERICA:						
ARGENTINA.....	37	40	40	30	27	27
BRAZIL.....	59	65	72	69	80	75
CHILE.....	6	7	5	5	5	5
PERU.....	6	6	6	6	5	5
VENEZUELA.....	5	7	7	7	7	7
TOTAL.....	113	125	130	117	124	119
EUROPE:						
BELGIUM-LUXEMBOURG.....	97	101	99	92	110	100
DENMARK.....	135	139	139	131	140	140
FRANCE.....	518	556	540	551	553	555
GERMANY, FEDERAL REP OF.....	499	521	544	535	560	550
IRELAND.....	78	86	103	105	119	121
ITALY.....	61	62	62	72	75	80
NETHERLANDS.....	150	204	202	179	212	235
UNITED KINGDOM.....	75	48	90	133	185	220
TOTAL EC.....	1,613	1,717	1,779	1,798	1,954	2,001
WESTERN EUROPE:						
AUSTRIA.....	46	45	45	47	43	43
FINLAND.....	82	74	83	74	72	72
GREECE.....	7	7	7	7	6	6
NORWAY.....	20	20	24	24	20	21
PORTUGAL.....	2	2	2	2	3	3
SPAIN.....	9	13	15	19	22	25
SWEDEN.....	53	56	61	62	62	67
SWITZERLAND.....	30	34	35	34	33	33
TOTAL WESTERN EUROPE.....	1,864	1,969	2,051	2,067	2,215	2,271
EASTERN EUROPE:						
CZECHOSLOVAKIA.....	101	109	113	121	119	121
GERMAN DEMOCRATIC REP.....	243	270	278	270	270	270
HUNGARY.....	20	18	20	26	29	30
POLAND.....	187	251	266	285	302	315
YUGOSLAVIA.....	14	16	17	19	20	21
TOTAL EASTERN EUROPE.....	565	664	694	721	740	757
TOTAL EUROPE.....	2,429	2,632	2,745	2,788	2,955	3,028
SOVIET UNION.....	1,113	1,231	1,408	1,500	1,470	1,550
AFRICA:						
SOUTH AFRICA.....	41	26	26	21	16	16
ASIA:						
CHINA, PEOPLES REP.....	76	87	91	93	95	95
INDIA.....	435	451	455	457	460	465
JAPAN.....	44	40	44	54	61	68
TOTAL.....	555	578	590	604	616	628
OCEANIA:						
AUSTRALIA ^{4/}	196	161	148	118	112	104
NEW ZEALAND ^{5/}	234	240	249	277	233	240
TOTAL.....	430	401	397	395	345	344
GRAND TOTAL.....	5,294	5,575	5,862	6,039	6,087	6,228

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.

^{1/} REVISED. ^{2/} PRELIMINARY. ^{3/} FORECAST. ^{4/} YEAR ENDING JUNE 30. ^{5/} YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION

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DAIRY, LIVESTOCK, AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 3.---CHEESE: PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1970-74, ANNUAL 1975-79
(In thousands of metric tons)

REGION AND COUNTRY	AVERAGE 1970/74	1975	1976	1977 1/	1978 2/	1979 3/
NORTH AMERICA:						
CANADA.....	134	121	125	134	141	147
MEXICO.....	83	113	113	115	117	120
UNITED STATES.....	1,161	1,275	1,506	1,524	1,595	1,710
TOTAL.....	1,378	1,509	1,744	1,773	1,853	1,977
SOUTH AMERICA:						
ARGENTINA.....	194	226	240	236	249	249
BRAZIL.....	134	147	150	205	220	230
CHILE.....	16	11	11	15	13	13
PERU.....	26	30	31	31	28	25
VENEZUELA.....	26	31	28	29	34	31
TOTAL.....	396	445	460	516	544	548
EUROPE:						
BELGIUM-LUXEMBOURG.....	41	41	42	47	48	48
DENMARK.....	126	147	152	172	180	185
FRANCE 4/.....	853	943	970	1,023	1,060	1,090
GERMANY, FEDERAL REP OF.....	541	618	650	691	710	725
IRELAND.....	43	62	50	54	50	56
ITALY.....	440	529	537	553	575	590
NETHERLANDS.....	323	375	382	412	418	415
UNITED KINGDOM.....	175	239	204	206	200	225
TOTAL EC.....	2,542	2,954	2,947	3,158	3,241	3,334
AUSTRIA.....	52	60	62	66	71	73
FINLAND.....	45	56	57	60	65	70
GREECE.....	142	157	154	156	156	158
NORWAY.....	55	62	61	58	65	67
PORTUGAL.....	22	24	25	28	29	32
SPAIN.....	78	100	113	125	135	145
SWEDEN.....	67	81	84	87	93	96
SWITZERLAND.....	94	104	111	115	116	116
TOTAL WESTERN EUROPE.....	3,096	3,590	3,654	3,853	3,971	4,091
CZECHOSLOVAKIA.....	78	90	85	84	98	100
GERMAN DEMOCRATIC REP.....	157	184	196	181	185	185
HUNGARY.....	24	23	26	30	34	35
POLAND.....	284	283	310	345	357	378
YUGOSLAVIA.....	103	120	127	134	138	140
TOTAL EASTERN EUROPE.....	646	700	744	774	812	838
TOTAL EUROPE.....	3,742	4,290	4,398	4,627	4,783	4,929
SOVIET UNION.....	505	559	655	655	700	750
AFRICA:						
SOUTH AFRICA.....	19	22	30	29	28	28
ASIA:						
CHINA, PEOPLES REP.....	171	180	186	188	190	190
INDIA.....	--	1	1	1	1	1
JAPAN.....	9	9	9	9	9	9
TOTAL.....	180	190	196	198	200	200
OCEANIA:						
AUSTRALIA 5/.....	85	99	113	104	115	130
NEW ZEALAND 6/.....	102	89	105	81	78	89
TOTAL.....	187	188	218	185	193	219
GRAND TOTAL.....	6,408	7,211	7,701	7,983	8,301	8,651

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING.-- DENOTES UNAVAILABLE, NEGLIGIBLE OR ZERO.

1/ REVISED. 2/ PRELIMINARY. 3/ FORECAST. 4/ INCLUDES UNCURED CHEESE. 5/ YEAR ENDING JUNE 30. 6/ YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION.

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DAIRY, LIVESTOCK, AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 4---NONFAT DRY MILK: PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1970-74, ANNUAL 1975-79
(In thousands of metric tons)

REGION AND COUNTRY	AVERAGE 1970/74	1975	1976	1977	1978	1979
NORTH AMERICA:						
CANADA.....	153	187	159	157	126	113
MEXICO.....	--	5	4	5	5	5
UNITED STATES.....	546	451	420	502	421	385
TOTAL.....	649	643	543	664	552	503
SOUTH AMERICA:						
ARGENTINA.....	44	73	85	66	65	65
BRAZIL.....	96	125	135	155	170	180
CHILE.....	2	4	38	39	32	30
PERU.....	--	--	--	--	--	--
VENEZUELA.....	--	--	--	--	--	--
TOTAL.....	142	202	250	260	267	275
EUROPE:						
BELGIUM-LUXEMBOURG.....	114	132	125	116	140	130
DENMARK.....	40	69	64	53	63	63
FRANCE.....	672	730	715	696	665	675
GERMANY, FEDERAL REP OF.....	414	523	532	514	560	550
IRELAND.....	70	134	164	145	171	175
ITALY.....	6	2	3	3	3	3
NETHERLANDS.....	114	186	169	138	200	250
UNITED KINGDOM.....	126	105	160	180	310	350
TOTAL EC.....	1,555	1,881	1,932	1,845	2,112	2,196
AUSTRIA.....	47	51	50	52	49	50
FINLAND.....	48	51	64	56	51	51
GREECE.....	--	--	--	--	--	--
NORWAY.....	9	9	10	8	10	10
PORTUGAL.....	7	8	9	9	10	10
SPAIN.....	11	18	18	15	12	25
SWEDEN.....	45	45	43	40	37	40
SWITZERLAND.....	26	34	34	30	26	28
TOTAL WESTERN EUROPE.....	1,748	2,097	2,160	2,055	2,307	2,410
CZECHOSLOVAKIA.....	--	--	--	--	--	--
GERMAN DEMOCRATIC REP.....	--	--	--	--	--	--
HUNGARY.....	2	--	13	13	13	13
POLAND.....	44	104	126	132	160	175
YUGOSLAVIA.....	7	9	11	17	18	18
TOTAL EASTERN EUROPE.....	52	113	150	162	191	206
TOTAL EUROPE.....	1,801	2,210	2,310	2,217	2,498	2,616
SOVIET UNION.....	252	316	356	375	386	400
AFRICA:						
SOUTH AFRICA.....	12	16	19	14	15	17
ASIA:						
CHINA, PEOPLES REP.....	--	--	--	--	--	--
INDIA.....	11	18	19	20	21	22
JAPAN.....	68	76	82	103	116	130
TOTAL.....	79	94	101	123	137	152
OCEANIA:						
AUSTRALIA 4/.....	124	169	147	97	91	100
NEW ZEALAND 5/.....	163	244	207	206	172	170
TOTAL.....	287	413	354	303	263	270
GRAND TOTAL.....	3,272	3,894	3,981	3,960	4,118	4,233

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING. --DENOTES UNAVAILABLE, NEGLIGIBLE OR ZERO.
1/ REVISED. 2/ PRELIMINARY. 3/ FORECAST. 4/ YEAR ENDING JUNE 30. 5/ YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION.

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DAIRY, LIVESTOCK, AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 5---BUTTER: SUPPLY AND DISTRIBUTION IN SPECIFIED COUNTRIES, 1979 1/
(In thousands of metric tons)

REGION AND COUNTRY	PRODUCTION	BEGINNING STOCKS	IMPORTS	TOTAL SUPPLY	EXPORTS	DOMESTIC CONSUMPTION	TOTAL USE	ENDING STOCKS	TOTAL DISTRIBUTION
NORTH AMERICA:									
CANADA.....	90	31	--	121	--	96	96	25	121
MEXICO.....	8	--	--	8	--	8	8	--	8
UNITED STATES.....	445	94	1	540	2/2	453	455	85	540
TOTAL.....	543	125	1	669	2	557	559	110	669
SOUTH AMERICA:									
ARGENTINA.....	27	5	2	34	3	26	29	5	34
BRAZIL.....	75	--	--	75	--	75	75	--	75
CHILE.....	5	--	4	11	--	11	11	--	11
PERU.....	5	2	7	14	--	12	12	2	14
VENEZUELA.....	7	--	--	7	--	7	7	--	7
TOTAL.....	119	7	15	141	3	131	134	7	141
EUROPE:									
BELGIUM-LUXEMBOURG.....	100	40	110	250	100	110	210	40	250
DENMARK.....	140	10	1	151	95	45	140	11	151
FRANCE.....	555	73	52	680	80	535	615	65	680
GERMANY, FEDERAL REP OF.....	550	200	40	790	110	415	525	265	790
IRELAND.....	121	19	1	141	82	40	122	19	141
ITALY.....	80	--	40	120	--	120	120	--	120
NETHERLANDS.....	235	45	50	330	240	40	280	50	330
UNITED KINGDOM.....	220	183	200	603	45	410	455	148	603
TOTAL EC.....	2,001	570	494	3,065	752	1,715	2,467	598	3,065
AUSTRIA.....	43	2	1	46	1	44	45	1	46
FINLAND.....	72	9	--	81	19	54	73	8	81
GREECE.....	6	1	2	9	--	8	8	1	9
NORWAY.....	21	1	2	24	--	23	23	1	24
PORTUGAL.....	3	--	1	6	--	6	6	--	6
SPAIN.....	25	10	2	37	--	25	25	12	37
SWEDEN.....	67	2	--	69	14	53	67	2	69
SWITZERLAND.....	33	4	12	49	--	44	44	5	49
TOTAL WESTERN EUROPE.....	2,271	599	516	3,386	786	1,972	2,758	628	3,386
CZECHOSLOVAKIA.....	121	--	--	121	--	121	121	--	121
GERMAN DEMOCRATIC REP.....	270	--	10	280	--	280	280	--	280
HUNGARY.....	30	--	--	30	4	26	30	--	30
POLAND.....	315	12	--	327	14	301	315	12	327
YUGOSLAVIA.....	21	7	2	30	--	23	23	7	30
TOTAL EASTERN EUROPE.....	757	19	12	788	18	751	769	19	788
TOTAL EUROPE.....	3,028	618	528	4,174	804	2,723	3,527	647	4,174
SOVIET UNION.....	1,550	--	30	1,580	15	1,565	1,580	--	1,580
AFRICA:									
SOUTH AFRICA.....	16	1	--	17	1	16	17	--	17
ASIA:									
CHINA, PEOPLES REP.....	95	--	--	95	--	95	95	--	95
INDIA.....	465	--	12	477	--	477	477	--	477
JAPAN.....	68	21	1	90	--	56	56	34	90
TOTAL.....	628	21	13	662	--	628	628	34	662
OCEANIA:									
AUSTRALIA 3/.....	104	20	--	124	39	69	108	16	124
NEW ZEALAND 4/.....	240	134	--	374	207	46	253	121	374
TOTAL.....	344	154	--	498	246	115	361	137	498
GRAND TOTAL.....	6,228	926	587	7,741	1,071	5,735	6,806	935	7,741

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING. --DENOTES UNAVAILABLE, NEGLIGIBLE OR ZERO.

1/ FORECAST 2/ INCLUDING SHIPMENTS TO TERRITORIES. 3/ YEAR ENDING JUNE 30. 4/ YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION.

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DAIRY, LIVESTOCK, AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 6 --CHEESE: SUPPLY AND DISTRIBUTION IN SPECIFIED COUNTRIES, 1979 1/
(In thousands of metric tons)

REGION AND COUNTRY	PRODUCTION	BEGINNING STOCKS	IMPORTS	TOTAL SUPPLY	EXPORTS	DOMESTIC CONSUMPTION	TOTAL USE	ENDING STOCKS	TOTAL DISTRIBUTION
NORTH AMERICA:									
CANADA.....	147	38	20	205	2	165	167	38	205
MEXICO.....	120	--	2	122	--	122	122	--	122
UNITED STATES.....	1,710	207	105	2,022	202	1,802	1,822	200	2,022
TOTAL.....	1,977	245	127	2,349	22	2,089	2,111	238	2,349
SOUTH AMERICA:									
ARGENTINA.....	249	27	--	276	20	230	250	26	276
BRAZIL.....	230	--	7	237	--	237	237	--	237
CHILE.....	13	--	1	14	--	14	14	--	14
PERU.....	25	5	--	30	--	26	26	4	30
VENEZUELA.....	31	--	6	37	--	37	37	--	37
TOTAL.....	548	32	14	594	20	544	564	30	594
EUROPE:									
BELGIUM-LUXEMBURG.....	48	4	80	132	13	110	129	3	132
DENMARK.....	185	20	4	209	140	51	191	18	209
FRANCE 3/.....	1,090	55	65	1,210	200	950	1,150	60	1,210
GERMANY, FEDERAL REP OF.....	725	--	220	945	170	775	945	--	945
IRELAND.....	56	16	2	74	47	9	56	18	74
ITALY.....	590	--	180	770	25	745	770	--	770
NETHERLANDS.....	415	65	20	500	245	185	430	70	500
UNITED KINGDOM.....	225	100	110	435	15	330	345	90	435
TOTAL EC.....	3,334	260	681	4,275	855	3,161	4,016	259	4,275
AUSTRIA.....	73	6	7	86	41	40	81	5	86
FINLAND.....	70	9	--	79	36	34	70	9	79
GREECE.....	158	1	6	165	--	164	164	1	165
NORWAY.....	67	15	1	83	20	46	66	17	83
PORTUGAL.....	32	1	1	34	2	31	33	1	34
SPAIN.....	145	56	20	221	1	160	161	60	221
SWEDEN.....	96	31	13	140	3	105	108	32	140
SWITZERLAND.....	116	15	19	150	62	75	137	13	150
TOTAL WESTERN EUROPE....	4,091	394	748	5,233	1,020	3,810	4,836	397	5,233
CZECHOSLOVAKIA.....	100	--	--	100	--	100	100	--	100
GERMAN DEMOCRATIC REP.....	185	--	5	190	--	190	190	--	190
HUNGARY.....	35	--	--	35	5	30	35	--	35
POLAND.....	378	11	1	390	24	354	378	12	390
YUGOSLAVIA.....	140	2	--	142	2	138	140	2	142
TOTAL EASTERN EUROPE....	838	13	6	857	31	814	843	14	857
TOTAL EUROPE.....	4,929	407	754	6,090	1,051	4,624	5,679	411	6,090
SOVIET UNION.....	750	--	7	757	7	750	757	--	757
AFRICA:									
SOUTH AFRICA.....	28	5	--	33	--	30	30	3	33
ASIA:									
CHINA, PEOPLES REP.....	190	--	--	190	--	190	190	--	190
INDIA.....	1	--	--	1	--	1	1	--	1
JAPAN.....	9	7	7	16	--	80	80	6	86
TOTAL.....	200	7	70	277	--	271	271	6	277
OCEANIA:									
AUSTRALIA 4/.....	130	5	12	147	54	88	142	5	147
NEW ZEALAND 5/.....	89	37	--	126	69	24	93	33	126
TOTAL.....	219	42	12	273	123	112	235	38	273
GRAND TOTAL.....	8,561	738	984	10,373	1,223	8,424	9,647	726	10,373

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING. --DENOTES UNAVAILABLE, NEGLIGIBLE OR ZERO.

1/ FORECAST 2/ INCLUDING SHIPMENTS TO TERRITORIES. 3/ INCLUDES UNCURED CHEESE. 4/ YEAR ENDING JUNE 30. 5/ YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION.

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DAIRY, LIVESTOCK, AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 7.--NONFAT DRY MILK: SUPPLY AND DISTRIBUTION IN SPECIFIED COUNTRIES, 1979 ^{1/}
(In thousands of metric tons)

REGION AND COUNTRY	PRODUCTION	BEGINNING STOCKS	IMPORTS	TOTAL SUPPLY	EXPORTS	DOMESTIC CONSUMPTION	TOTAL USE	ENDING STOCKS	TOTAL DISTRIBUTION
NORTH AMERICA:									
CANADA.....	113	28	--	141	70	48	118	23	141
MEXICO.....	5	15	60	80	--	70	70	10	80
UNITED STATES ^{2/}	385	265	1	651	100 ^{3/}	356	456	195	651
TOTAL.....	503	308	61	872	170	474	644	228	872
SOUTH AMERICA:									
ARGENTINA.....	65	14	9	87	5	68	73	14	87
BRAZIL.....	180	20	--	200	--	190	190	10	200
CHILE.....	30	--	12	42	--	42	42	--	42
PERU.....	--	5	12	17	--	14	14	3	17
VENEZUELA.....	--	--	6	6	--	6	6	--	6
TOTAL.....	275	39	38	352	5	320	325	27	352
EUROPE:									
BELGIUM-LUXEMBOURG.....	130	110	60	300	80	120	200	100	300
DENMARK.....	63	27	7	97	30	40	70	27	97
FRANCE.....	675	50	55	780	150	580	730	50	780
GERMANY, FEDERAL REP OF..	550	470	100	1,120	450	350	800	320	1,120
IRELAND.....	175	30	1	206	156	20	176	30	206
ITALY.....	3	--	200	203	--	203	203	--	203
NETHERLANDS.....	250	30	340	620	150	400	550	70	620
UNITED KINGDOM.....	350	70	15	435	150	130	280	155	435
TOTAL EC.....	2,196	787	778	3,761	1,166	1,843	3,009	752	3,761
AUSTRIA.....	50	5	--	55	10	40	50	5	55
FINLAND.....	51	--	--	51	--	51	51	--	51
GREECE.....	--	--	2	2	--	2	2	--	2
NORWAY.....	10	1	--	11	--	10	10	1	11
PORTUGAL.....	10	--	3	13	--	13	13	--	13
SPAIN.....	25	10	100	135	--	120	120	15	135
SWEDEN.....	40	17	--	57	15	25	40	17	57
SWITZERLAND.....	28	4	--	32	2	24	26	6	32
TOTAL WESTERN EUROPE...	2,410	824	843	4,117	1,193	2,128	3,321	796	4,117
HUNGARY.....	13	--	3	16	--	16	16	--	16
POLAND.....	175	10	--	185	60	118	178	7	185
YUGOSLAVIA.....	18	10	--	28	2	16	18	10	28
TOTAL EASTERN EUROPE...	206	20	3	229	62	150	212	17	229
TOTAL EUROPE.....	2,616	844	846	4,346	1,255	2,278	3,533	813	4,346
SOVIET UNION.....	400	--	30	430	--	430	430	--	430
AFRICA:									
SOUTH AFRICA.....	17	1	5	23	--	21	21	2	23
ASIA:									
INDIA.....	22	--	30	52	--	52	52	--	52
JAPAN.....	130	51	110	291	--	225	225	66	291
TOTAL.....	152	51	140	343	--	277	277	66	343
OCEANIA:									
AUSTRALIA ^{4/}	100	9	--	108	53	50	103	5	108
NEW ZEALAND ^{5/}	170	64	--	234	184	10	194	40	234
TOTAL.....	270	72	--	342	237	60	297	45	342
GRAND TOTAL.....	4,233	1,315	1,160	6,708	1,667	3,860	5,527	1,181	6,708

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING. --DENOTES UNAVAILABLE, NEGLIGIBLE OR ZERO.

^{1/} PRELIMINARY. ^{2/} FOR HUMAN CONSUMPTION ONLY. ^{3/} INCLUDING SHIPMENTS TO TERRITORIES. ^{4/} YEAR ENDING JUNE 30. ^{5/} YEAR ENDING MAY 30.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION.

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DAIRY, LIVESTOCK, AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 8 --BUTTER: CONSOLIDATED SUPPLY AND DISTRIBUTION, 1977-79
(In thousands of metric tons)

Country and region	1977 <u>1/</u>	1978 <u>2/</u>	1979 <u>3/</u>
<u>EXPORTS</u>			
EC <u>4/</u>	682	716	752
New Zealand	213	177	207
Australia	34	34	39
Canada	2	--	--
Subtotal	931	927	998
Other Western Europe <u>5/</u>	35	28	34
Selected Eastern Europe <u>6/</u>	9	14	18
Soviet Union	18	15	15
Selected South America <u>7/</u>	6	8	3
United States <u>8/</u>	2	2	2
South Africa	4	1	1
Total	1,005	995	1,071
<u>IMPORTS</u>			
EC	547	643	494
Selected Eastern Europe <u>6/</u>	19	13	12
Other Western Europe <u>5/</u>	20	21	22
Selected South America <u>7/</u>	16	16	15
Selected Asia <u>9/</u>	14	14	13
Canada	--	4	--
United States	1	1	1
South Africa	--	--	--
Mexico	--	--	--
Soviet Union	76	20	30
Total	693	732	587
<u>PRODUCTION</u>			
EC	1,798	1,954	2,001
United States	493	453	445
Other Western Europe <u>5/</u>	269	261	270
New Zealand	277	233	240
Australia	118	112	104
Canada	113	100	90
Subtotal	3,068	3,113	3,150
Soviet Union	1,500	1,470	1,550
Selected Eastern Europe <u>6/</u>	721	740	757
Selected Asia <u>9/</u>	604	616	628
Selected South America <u>7/</u>	117	124	119
Mexico	8	8	8
South Africa	21	16	16
Total	6,039	6,087	6,228
<u>CONSUMPTION</u>			
EC	1,678	1,699	1,715
United States	429	442	453
Other Western Europe <u>5/</u>	256	253	257
Canada	107	102	96
Australia	79	74	69
New Zealand	46	43	46
Subtotal	2,595	2,613	2,636
Soviet Union	1,558	1,475	1,565
Selected Eastern Europe <u>6/</u>	727	737	751
Selected Asia <u>9/</u>	614	621	628
Selected South America <u>7/</u>	130	131	131
South Africa	20	18	16
Mexico	8	8	8
Total	5,652	5,603	5,735
<u>ENDING STOCKS</u>			
EC	388	570	598
New Zealand	121	134	121
Canada	29	31	25
Australia	16	20	16
Other Western Europe <u>5/</u>	28	29	30
United States	84	94	85
Subtotal	666	878	875
Selected South America <u>7/</u>	6	7	7
Selected Eastern Europe <u>6/</u>	17	19	19
Selected Asia <u>9/</u>	12	21	34
South Africa	4	1	--
Mexico	--	--	--
Total	705	926	935

1/ Revised; beginning stocks were 630,000 metric tons. 2/ Preliminary. 3/ Forecast. 4/ Including intra-trade, which export basis, was 431,000, 472,000 and 504,000. 5/ Including Austria, Finland, Greece, Norway, Portugal, Spain, Sweden, and Switzerland. 6/ Including Czechoslovakia, German Democratic Republic, Hungary, Poland, and Yugoslavia. 7/ Including Argentina, Brazil, Chile, Peru, and Venezuela. 8/ Including shipments to territories. 9/ Including India, Japan, and People's Republic of China.

Table 9 --- CHEESE: CONSOLIDATED SUPPLY AND DISTRIBUTION, 1977-79
(In thousands of metric tons)

Country and region	1977 <u>1/</u>	1978 <u>2/</u>	1979 <u>3/</u>
<u>EXPORTS</u>			
EC <u>4/</u>	801	844	855
New Zealand	79	70	69
Australia	53	44	54
Canada	2	3	2
Subtotal	935	961	980
Other Western Europe <u>5/</u>	158	161	165
Selected Eastern Europe <u>6/</u>	14	21	31
Soviet Union	7	7	7
Selected South America <u>7/</u>	17	20	20
United States <u>8/</u>	17	20	20
South Africa	3	1	---
Total	1,151	1,191	1,223
<u>IMPORTS</u>			
EC	684	709	681
Selected Eastern Europe <u>6/</u>	7	6	6
Other Western Europe <u>5/</u>	69	67	67
Selected South America <u>7/</u>	15	16	14
Selected Asia <u>9/</u>	65	70	70
Canada	22	20	20
United States	95	110	105
South Africa	---	---	---
Mexico	2	2	2
Soviet Union	6	7	7
Total	965	1,007	972
<u>PRODUCTION</u>			
EC	3,158	3,241	3,334
United States	1,524	1,595	1,710
Other Western Europe <u>5/</u>	695	730	757
New Zealand	81	78	89
Australia	104	115	130
Canada	134	141	147
Subtotal	5,696	5,900	6,167
Soviet Union	655	700	750
Selected Eastern Europe <u>6/</u>	744	812	838
Selected Asia <u>9/</u>	198	200	200
Selected South America <u>7/</u>	516	544	548
Mexico	115	117	120
South Africa	29	28	28
Total	7,983	8,301	8,651
<u>CONSUMPTION</u>			
EC	3,033	3,117	3,161
United States	1,598	1,699	1,802
Other Western Europe <u>5/</u>	613	632	655
Canada	154	158	165
Australia	71	85	88
New Zealand	18	24	24
Subtotal	5,487	5,715	5,895
Soviet Union	654	700	750
Selected Eastern Europe <u>6/</u>	769	792	812
Selected Asia <u>9/</u>	259	268	271
Selected South America <u>7/</u>	514	539	544
South Africa	29	29	30
Mexico	117	119	122
Total	7,829	8,162	8,425
<u>ENDING STOCKS</u>			
EC	271	260	259
New Zealand	53	37	33
Canada	38	38	38
Australia	8	5	5
Other Western Europe <u>5/</u>	130	134	138
United States	221	207	200
Subtotal	721	681	668
Selected South America <u>7/</u>	31	32	30
Selected Eastern Europe <u>6/</u>	8	13	14
Selected Asia <u>9/</u>	5	7	6
South Africa	7	5	3
Mexico	---	---	---
Total	772	738	726

1/ Revised; beginning stocks were 793,000 metric tons. 2/ Preliminary. 3/ Forecast. 4/ Including intra-trade, which export basis, was 591,000, 617,000 and 638,000. 5/ Including Austria, Finland, Greece, Norway, Portugal, Spain, Sweden, and Switzerland. 6/ Including Czechoslovakia, German Democratic Republic, Hungary, Poland, and Yugoslavia. 7/ Including Argentina, Brazil, Chile, Per, and Venezuela. 8/ Including shipments to territories. 9/ Including India, Japan, and People's Republic of China.

TABLE 10 -- NONFAT DRY MILK: CONSOLIDATED SUPPLY AND DISTRIBUTION, 1977-79
(In thousands of metric tons)

Country and region	1977	1978	1979
<u>EXPORTS</u>			
EC 4/	1,026	1,255	1,166
New Zealand	296	204	184
Australia	110	47	53
Canada	166	103	70
Subtotal	1,598	1,609	1,473
Other Western Europe 5/.....	22	27	27
Selected Eastern Europe 6/.....	30	45	62
Soviet Union	--	--	--
Selected South America 7/.....	14	5	5
United States 8/.....	74	125	100
South Africa	--	--	--
Total	1,738	1,811	1,667
<u>IMPORTS</u>			
EC	566	845	778
Selected Eastern Europe 6/.....	3	3	3
Other Western Europe 5/.....	96	105	105
Selected South America 7/.....	97	52	38
Selected Asia 9/.....	135	170	140
Canada	--	--	--
United States	1	1	1
South Africa	--	--	5
Mexico	58	75	60
Soviet Union	40	30	30
Total	996	1,281	1,160
<u>PRODUCTION</u>			
EC	1,845	2,112	2,196
United States	502	421	385
Other Western Europe 5/.....	210	195	214
New Zealand	206	172	170
Australia	97	91	100
Canada	157	126	113
Subtotal	3,017	3,117	3,178
Soviet Union	375	386	400
Selected Eastern Europe 6/.....	162	191	206
Selected Asia 9/.....	123	137	152
Selected South America 7/.....	260	267	275
Mexico	5	5	5
South Africa	18	15	17
Total	3,960	4,118	4,233
<u>CONSUMPTION</u>			
EC	1,630	1,799	1,843
United States	341	340	356
Other Western Europe 5/.....	267	294	285
Canada	80	54	48
Australia	39	47	50
New Zealand	23	17	10
Subtotal	2,380	2,551	2,592
Soviet Union	415	416	430
Selected Eastern Europe 6/.....	139	147	150
Selected Asia 9/.....	255	271	277
Selected South America 7/.....	340	297	320
South Africa	20	22	21
Mexico	68	75	70
Total	3,617	3,779	3,860
<u>ENDING STOCKS</u>			
EC	959	862	752
New Zealand	113	64	40
Canada	59	28	23
Australia	11	8	5
Other Western Europe 5/.....	58	37	44
United States	308	265	195
Subtotal	1,508	1,264	1,059
Selected South America 7/.....	22	39	27
Selected Eastern Europe 6/.....	18	20	17
Selected Asia 9/.....	15	51	66
South Africa	8	1	2
Mexico	10	15	10
Total	1,581	1,390	1,181

1/ Revised; beginning stocks were 198,000 metric tons. 2/ Preliminary. 3/ Forecast. 4/ Including intra-trade, which export basis, was 602,000, 875,000 and 850,000. 5/ Including Austria, Finland, Greece, Norway, Portugal, Spain, Sweden, and Switzerland. 6/ Including Czechoslovakia, German Democratic Republic, Hungary, Poland, and Yugoslavia. 7/ Including Argentina, Brazil, Chile, Peru, and Venezuela. 8/ Including shipments to territories. 9/ Including India, Japan, and People's Republic of China.

TABLE 11 --CASEIN: PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1970-74, ANNUAL 1975-79
(In thousands in metric tons)

REGION AND COUNTRY	AVERAGE 1970/74	1975	1976	1977 1/	1978 2/	1979 3/
NORTH AMERICA:						
SOUTH AMERICA:						
ARGENTINA.....	1	2	4	5	3	2
TOTAL.....	1	2	4	5	3	2
EUROPE:						
FRANCE.....	21	13	12	19	23	26
GERMANY, FEDERAL REP OF..	3	14	13	13	13	15
IRELAND.....	1	2	4	8	12	12
NETHERLANDS.....	--	--	14	13	12	12
TOTAL EC.....	25	29	43	53	60	65
TOTAL WESTERN EUROPE...	25	29	43	53	60	65
POLAND.....	7	24	28	36	30	20
TOTAL EASTERN EUROPE...	7	24	28	36	30	20
TOTAL EUROPE.....	32	53	71	89	90	85
AFRICA:	--	--	--	--	--	--
ASIA:	--	--	--	--	--	--
OCEANIA:						
AUSTRALIA 4/.....	3	14	16	17	19	18
NEW ZEALAND 5/.....	35	35	52	58	57	59
TOTAL.....	38	49	68	75	76	77
GRAND TOTAL.....	72	110	147	169	169	164

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING. --DENOTES UNAVAILABLE, NEGLIGIBLE OR ZERO.
1/ REVISED. 2/ PRELIMINARY. 3/ FORECAST. 4/ YEAR ENDING JUNE 30. 5/ YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION.

APRIL 1979

DAIRY, LIVESTOCK, AND POULTRY DIVISION
COMMODITY PROGRAMS, FAS, USDA

TABLE 12 ---CASEIN: SUPPLY AND DISTRIBUTION IN SPECIFIED COUNTRIES, 1979 ^{1/}
(In thousands of metric tons)

REGION AND COUNTRY	PRODUCTION	BEGINNING STOCKS	IMPORTS	TOTAL SUPPLY	EXPORTS	DOMESTIC CONSUMPTION	TOTAL USE	ENDING STOCKS	TOTAL DISTRIBUTION
NORTH AMERICA:									
UNITED STATES.....	---	---	57	57	1	56	57	---	57
TOTAL.....	---	---	57	57	1	56	57	---	57
SOUTH AMERICA:									
ARGENTINA.....	2	1	---	3	2	---	2	1	3
TOTAL.....	2	1	---	3	2	---	2	1	3
EUROPE:									
FRANCE.....	26	2	17	38	22	13	35	3	38
GERMANY, FEDERAL REP OF...	15		14	29	11	18	29		29
IRELAND.....	12	4		16	12		12	4	16
NETHERLANDS.....	12		13	25	20	5	25		25
TOTAL EC.....	65	6	37	108	65	36	101	7	108
TOTAL WESTERN EUROPE....	65	6	37	108	65	36	101	7	108
POLAND.....	20	9	--	29	8	15	23	6	29
TOTAL EASTERN EUROPE....	20	9	--	29	8	15	23	6	29
TOTAL EUROPE.....	85	15	37	137	73	51	124	13	137
AFRICA:	--	--	--	--	--	--	--	--	--
ASIA:	--	--	--	--	--	--	--	--	--
TOTAL.....	--	--	--	--	--	--	--	--	--
OCEANIA:									
AUSTRALIA ^{2/}	18	2		20	17	2	19	1	20
NEW ZEALAND ^{3/}	59	54		113	80		80	33	113
TOTAL.....	77	56		133	97	2	99	34	133
GRAND TOTAL.....	164	72	94	330	173	109	282	48	330

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING. --DENOTES UNAVAILABLE, NEGLIGIBLE OR ZERO.
^{1/} PRELIMINARY. ^{2/} YEAR ENDING JUNE 30. ^{3/} YEAR ENDING MAY 31.

SOURCE: PREPARED OR ESTIMATED ON THE BASIS OF OFFICIAL STATISTICS OF FOREIGN GOVERNMENTS, OTHER FOREIGN SOURCE MATERIALS, REPORTS OF U.S. AGRICULTURAL ATTACHES AND FOREIGN SERVICE OFFICERS, RESULTS OF OFFICE RESEARCH, AND RELATED INFORMATION.

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